
**BULLETIN OF
WAKE FOREST COLLEGE**

CATALOG ISSUE

WINSTON-SALEM

NORTH CAROLINA

JANUARY 1963

**FOR STUDENTS ENTERING IN
ACADEMIC YEAR 1963-1964**

7

CORRESPONDENCE

Inquiries to the College should be addressed as indicated below:

Admissions.....	Director of Admissions
Alumni Affairs.....	Director of Alumni Activities
Athletics.....	Director of Athletics
Business Administration...	Dean of School of Business Administration
Catalogs.....	Director of Admissions
Financial Matters.....	Treasurer
General Policy of the College.	President
Gifts and Bequests.....	President
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Men.....	Director of Residences
Women.....	Dean of Women
Law.....	Dean of School of Law
Medicine.....	Director of Admissions Bowman Gray School of Medicine, Winston-Salem, N. C.
Placement.....	Director of Placement Bureau
Public Relations and Development Program.....	President
Scholarships.....	Committee on Scholarships
Student Affairs.....	Dean of the College
Summer Session.....	Dean of Summer Session
Transcripts.....	Registrar

All addresses, except Medicine, are:
Wake Forest College, Reynolda Station
Winston-Salem, N. C.



Air view of a part of the Campus



Plaza with Wait Chapel in the distance



The Z. Smith Reynolds Library



Entrance to one of the women's dormitories



A court of one of the men's dormitories



Winston Hall (Biology and Psychology)



Reynolda Hall



School of Law

NEW SERIES

JANUARY 1963

VOL. LVIII, No.1

BULLETIN OF WAKE FOREST COLLEGE



GENERAL CATALOG ISSUE ONE HUNDRED TWENTY-NINTH YEAR ANNOUNCEMENTS FOR 1963-1964

The Bulletin of Wake Forest College is published seven times annually at Winston-Salem, North Carolina, and includes announcements of the School of Arts and Sciences, Graduate Studies, Summer Session, Bowman Gray School of Medicine, Evening Classes, and the School of Law.

Second-class postage paid at Winston-Salem, N. C.

1963

JANUARY	APRIL	JULY	OCTOBER
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1964

JANUARY	APRIL	JULY	OCTOBER
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FEBRUARY	MAY	AUGUST	NOVEMBER
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MARCH	JUNE	SEPTEMBER	DECEMBER
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22 23 24 25 26 27 28	21 22 23 24 25 26 27	20 21 22 23 24 25 26	20 21 22 23 24 25 26
29 30 31	28 29 30	27 28 29 30	27 28 29 30 31

COLLEGE CALENDAR

Summer Session 1963

June	10	Monday	Registration First Term
June	11	Tuesday	Classes begin
July	16	Tuesday	First Term ends
July	18	Thursday	Registration Second Term
July	19	Friday	Classes begin
August	23	Friday	Second Term ends

Fall Term 1963

Sept.	17	Tuesday	9:00	Dormitories open for student
			11:00	Cafeteria open
Sept.	17	Tuesday	6:45	Orientation for freshmen and transfer students
Sept.	22	Sunday		
Sept.	20	Friday	8:00	* Registration
Sept.	21	Saturday	4:30	
Sept.	23	Monday	8:00	Classes begin
Oct.	7	Monday		Last day for dropping a class without penalty
Nov.	1	Friday		Last day for settlement of tuition for first semester
Nov.	13	Wednesday		Mid-term reports due
Nov.	28	Thursday	}	Thanksgiving recess
Dec.	1	Sunday		
Dec.	2	Monday	8:00	Classes resumed
Dec.	20	Friday	}	Christmas recess
Jan.	2	Thursday		
Jan.	3	Friday	8:00	Classes resumed
Jan.	21	Tuesday		Reading Day
Jan.	22	Wednesday		Examinations begin
Jan.	30	Thursday		Examinations end

* Registration in the School of Law will be held Sept. 16-17.

Spring Term 1964

Feb.	3	Monday	8:00	}	Registration
Feb.	4	Tuesday	4:30		
Feb.	5	Wednesday	8:00		Classes begin
Feb.	6	Thursday			Founders' Day Convocation
Feb.	19	Wednesday			Last day for dropping a class without penalty
March	2	Monday			Last day for settlement of tuition for second semester
March	26	Thursday			Mid-term reports due
March	29	Sunday	}		Spring recess
April	5	Sunday			
April	6	Monday	8:00		Classes resumed
May	26	Tuesday			Reading Day
May	27	Wednesday			Examinations begin
June	4	Thursday			Examinations end
June	6	Saturday			Alumni Day
June	7	Sunday			Baccalaureate Sermon
June	8	Monday			Graduation

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INTRODUCING THE COLLEGE

Location

Wake Forest College is located at Winston-Salem, North Carolina, just off North Carolina Highway 67 (which follows Reynolda Road at this point), on the western outskirts of the city. The College consists of the following divisions: the School of Arts and Sciences, the School of Law, the School of Business Administration, the Bowman Gray School of Medicine, and the Division of Graduate Studies.

Recognition

Wake Forest College is a member of the Southern Association of Colleges and Secondary Schools and the Association of American Colleges. The College has chapters of the principal national social fraternities, professional fraternities and honor societies, including Phi Beta Kappa.

The School of Law is a member of the Association of American Law Schools, and is on the approved list of the Council on Legal Education of the American Bar Association.

The Bowman Gray School of Medicine, a four-year medical college, is a member of the Association of American Medical Colleges, and is on the approved list of the Council on Medical Education of the American Medical Association.

The School of Business Administration is a Member of the American Association of Collegiate Schools of Business.

Although Wake Forest was primarily a college for men for more than 100 years, women have been regularly admitted to all classes and to the professional schools since 1942.

BOARD OF TRUSTEES

Terms Expire December 31, 1963

L. Y. BALLENTINE, Raleigh	MARION J. DAVIS, Winston-Salem
HENRY L. BRIDGES, Raleigh	JOHNSON J. HAYES, Wilkesboro
¹ J. E. BROTHILL, Lenoir	G. MAURICE HILL, Drexel
WILLIAM J. CONRAD, Winston-Salem	SAM HOLBROOK, Statesville
	² O. JACK MURPHY, Hickory

Terms Expire December 31, 1964

³ DAVID BRITT, Fairmont	C. RUSH HAMRICK, Shelby
BOYCE BROOKS, Boone	CARL McCRAW, Charlotte
MRS. ROY B. CULLER, Sr., High Point	JAMES W. MASON, Laurinburg
WENDELL G. DAVIS, Charlotte	ROBERT H. OWEN, Canton
	⁴ WILLIAM L. WYATT, Raleigh

Terms Expire December 31, 1965

A. DOUGLAS ALDRICH, Raleigh	ALTON LENNON, Wilmington
CLAUDE U. BROACH, Charlotte	CLAUDE A. McNEILL, Jr., Elkin
IRVING E. CARLYLE, Winston-Salem	J. EVERETTE MILLER, Raleigh
GUY CARSWELL, Charlotte	HUBERT E. OLIVE, Lexington
	RONALD E. WALL, Greensboro

Terms Expire December 31, 1966

THOMAS H. DAVIS, Winston-Salem	GEORGE T. NOEL, Jr., Kannapolis
TOM M. FREEMAN, Dunn	JACK R. NOFFSINGER, Winston-Salem
WALTER E. GREER, Jr., Greensboro	CARLTON S. PRICKETT, Burlington
MRS. EARL MEACHAM, Shelby	ROBERT L. PUGH, New Bern
	WILLIAM W. STATON, Sanford

Officers

For One-Year Term Beginning January 1, 1963

WILLIAM J. CONRAD, Winston-Salem, *President*
G. MAURICE HILL, Drexel, *Vice-President*
TALCOTT W. BREWER, Box 267, Raleigh, *Treasurer Emeritus*
WORTH H. COPELAND, Box 7201, Winston-Salem, *Secretary and Treasurer*
JAMES B. COOK, JR., Box 7201, Winston-Salem, *Assistant Secretary*
J. WILBUR BUNN, Box 527, Raleigh, *General Counsel*

¹To fill unexpired term of Woodrow W. Hill, resigned June 15, 1960.

²To fill unexpired term of O. V. Hamrick, died October 25, 1960.

³To fill unexpired term of V. Ward Barr, died September 16, 1962.

⁴To fill unexpired term of H. Cloyd Philpott, died August 19, 1961.

*ADMINISTRATION

- HAROLD WAYLAND TRIBBLE (1950) *President*
B.A., Richmond; Th.M., Th.D., Southern Baptist Theological Seminary; M.A., Louisville; Ph.D., Edinburgh; D.D., Stetson; LL.D., Union University, Wake Forest, Richmond, Duke, North Carolina.
- EDWIN GRAVES WILSON (1946, 1951) *Dean of the College and Professor of English*
B.A., Wake Forest; A.M., Ph.D., Harvard.
- ROBERT ALLEN DYER (1956), *Assistant Dean of the College and Associate Professor of Religion*
B.A., Louisiana State; Th.M., Th.D., Southern Baptist Theological Seminary.
- THOMAS M. ELMORE (1962), *Assistant to the Dean and Assistant Professor of Educational and Counseling Psychology*
B.A., Wake Forest; M.A., George Peabody; Ph.D., Ohio State.
- MARK H. REECE (1956) *Director of Student Affairs*
B.S., Wake Forest.
- GAINES M. ROGERS (1948), *Dean of the School of Business Administration and Professor of Business Administration*
B.S., Clemson; M.A., Ph.D., Virginia.
- CARROLL W. WEATHERS (1950), *Dean of the School of Law and Professor of Law*
B.A., LL.B., Wake Forest.
- COY C. CARPENTER (1926), *Dean of the Bowman Gray School of Medicine and Professor of Pathology*
B.A. in Medicine, Wake Forest; M.D., Syracuse University School of Medicine.
- MANSON MEADS (1947), *Executive Dean of the Bowman Gray School of Medicine and Professor of Preventive Medicine*
B.A., California; M.D., D.Sc., Temple.
- ROBERT L. TUTTLE (1948), *Assistant Dean of the Bowman Gray School of Medicine and Associate Professor of Microbiology and Immunology*
B.S., New Hampshire; M.D., Rochester.
- JEANNE OWEN (1956), *Acting Dean of Women and Associate Professor of Business Law*
B.S., J.D., North Carolina; M.C.S., Indiana.

* Date following name indicates year of appointment.

Administration

- JANE G. FREEMAN (1962), *Assistant Dean of Women and Instructor in Philosophy*
B.A., Wake Forest; M.A., Duke.
- PERCIVAL PERRY (1939, 1947), *Dean of the Summer Session and Professor of History*
B.A., Wake Forest; M.A. Rutgers; Ph.D., Duke.
- HENRY SMITH STROUPE (1937) *Director of Graduate Studies and Professor of History*
B.S., M.A., Wake Forest; Ph.D., Duke.
- J. ROBERT JOHNSON, JR. (1957), *Director of Evening Classes and Associate Professor of Mathematics*
B.S., Wake Forest; M.A., Ph.D., Duke.
- PAUL F. RAKE (1962) *Director of Development*
A.B., Indiana; M.A., Chicago.
- WORTH H. COPELAND (1941), *Secretary and Treasurer of The Trustees of Wake Forest College; Secretary of the Faculty; Superintendent of the College Hospital*
B.S., M.A., Wake Forest.
- JAMES B. COOK, JR. (1944, 1947), *Assistant Treasurer and Assistant Secretary of the Board of Trustees*
B.S., Wake Forest; M.A., North Carolina; M.B.A., Harvard.
- JOHN G. WILLIARD (1958) *Assistant Treasurer*
B.S., University of North Carolina; C.P.A., North Carolina.
- HARRY O. PARKER (1947), *Controller of the Bowman Gray School of Medicine of Wake Forest College*
B.S., University of North Carolina; C.P.A., North Carolina.
- GRADY S. PATTERSON (1926) *Registrar*
B.A., Wake Forest.
- MRS. MARGARET R. PERRY (1947) *Assistant Registrar*
B.S., South Carolina.
- WILLIAM G. STARLING (1958) *Director of Admissions*
B.B.A., Wake Forest.
- MRS. SHIRLEY P. HAMRICK (1957) *Associate Director of Admissions*
B.A., North Carolina.

Administration

- JOE D. CREECH (1961) *Assistant Director of Admissions*
B.A., Wake Forest; M.A.T., Duke.
- ROMULUS T. WEATHERMAN (1962) *Director of Alumni Activities*
B.A., Wake Forest.
- RUSSELL H. BRANTLEY, JR. (1953) *Director of Communications*
B.A., Wake Forest.
- MARVIN A. FRANCIS (1955) *Director of Sports Publicity*
- LEON H. HOLLINGSWORTH (1959) *Chaplain*
B.A., D.D., Wake Forest.
- EDGAR D. CHRISTMAN (1956, 1961), *Assistant to the Chaplain and
Director of the Baptist Student Union*
B.A., LL.B., Wake Forest; B.D., Southeastern Baptist Theological Seminary;
S.T.M., Union Theological Seminary.
- PAUL L. GARRISON, M.D. (1962) *Medical Director*
B.S., Wake Forest; M.D., Bowman Gray.
- HUGH ALTVATER (1962), *Assistant Medical Director and Instructor in
Preventive Medicine*
B.S., Wake Forest; M.D., University of Pennsylvania School of Medicine.
- MARY ANN HAMPTON (1961), *Assistant Medical Director and Assistant
in Preventive Medicine*
B.S., Wake Forest; M.D., Bowman Gray.
- CARLTON P. WEST (1928) *Librarian*
B.A., Boston University; M.A., Yale; B.S. in L.S., North Carolina.
- MRS. VIVIAN LUNSFORD WILSON (1960) *Law Librarian*
A.B., Coker; B.S. in L.S., George Peabody.
- JASPER L. MEMORY, JR. (1929), *Director of the Placement Bureau and
Professor of Education*
B.A., Wake Forest; M.A., Columbia.
- CHARLES M. ALLEN (1941) *Director of Concerts and Lectures and
Professor of Biology*
B.S., M.A., Wake Forest; Ph.D., Duke.
- WILLIAM H. GIBSON (1956) *Director of Athletics*
B.A., M.A., Wake Forest.

Administration

JESSE I. HADDOCK (1952, 1954) B.S., Wake Forest.	<i>Assistant Director of Athletics</i>
RICHARD T. CLAY (1956) B.B.A., Wake Forest.	<i>Manager of the College Book Store</i>
HAROLD S. MOORE (1953) B.M.E., Virginia.	<i>Superintendent of Buildings and Grounds</i>
ROYCE R. WEATHERLY (1947),	<i>Assistant Superintendent of Buildings and Grounds</i>
MELVIN Q. LAYTON (1951),	<i>Assistant Superintendent of Buildings and Grounds</i>
B.S., Wake Forest.	
THOMAS P. GRIFFIN (1956)	<i>Director of Residences</i>
HARRY F. SMITH (1954)	<i>Manager of Central Duplicating Service</i>

***Professors Emeriti**

- ORA C. BRADBURY (1925-1961) *Professor Emeritus of Biology*
B.S., Ottawa; M.A., Ph.D., Nebraska.
- DANIEL BUNYAN BRYAN (1921-1957) *Professor Emeritus of Education*
B.A., North Carolina; M.A., Columbia; Ph.D., New York University
- MRS. ETHEL T. CRITTENDEN (1915-1946) *Librarian Emerita*
- WILLIS R. CULLOM (1896-1938) *Professor Emeritus of the Bible*
M.A., Wake Forest; Th.D., Southern Baptist Theological Seminary; D.D., Richmond.
- LOIS JOHNSON (1942-1962) *Dean of Women Emerita*
B.A., Meredith; M.A., North Carolina.
- HUBERT A. JONES (1908-1959) *Professor Emeritus of Mathematics*
B.A., M.A., LL.B., Wake Forest.
- HENRY BROADUS JONES (1924-1959) *Professor Emeritus of English*
B.A., Wake Forest; M.A., Ph.D., Chicago.
- EUGENE I. OLIVE (1940-1961), *Director Emeritus of Alumni Activities*
B.A., Wake Forest; Th.M., Southern Baptist Theological Seminary.
- KENNETH TYSON RAYNOR (1926-1961), *Associate Professor Emeritus of Mathematics*
B.A., Wake Forest; M.A., Duke.

* Dates following names indicate period of service.

Faculty

*Instruction

CHARLES M. ALLEN (1941) *Professor of Biology and Director of Concerts
and Lectures*
(See Administration)

JAMES B. ALLEN, JR. (1961) *Captain, Infantry, U. S. Army; Assistant
Professor of Military Science*
A.B., Presbyterian College.

JUDSON B. ALLEN (1962) *Instructor in English*
B.A., Baylor; M.A., Vanderbilt.

RALPH D. AMEN (1962) *Assistant Professor of Biology*
B.A., M.A., Colorado State; M.B.S., Ph.D., Colorado.

JAMES E. ANDERSON (1959) *Assistant Professor of Political Science*
B.S., Southwest Texas State Teachers College; Ph.D., Texas.

JOHN WILLIAM ANGELL (1955) *Professor of Religion*
B.A., Wake Forest; Th.M., Southern Baptist Theological Seminary; S.T.M., Andover Newton Theological School; Th.D., Southern Baptist Theological Seminary.

AILENE CORRY ARENSBACH (1962) *Instructor in French*
B.A., Oglethorpe.

ANDREW LEWIS AYCOCK (1928) *Associate Professor of English*
B.A., Wake Forest; M.A., Tulane.

EUGENE PENDLETON BANKS (1954) *Professor of Sociology*
B.A., Furman; M.A., Ph.D., Harvard.

RICHARD CHAMBERS BARNETT (1961) *Assistant Professor of History*
B.A., Wake Forest; M.Ed., Ph.D., North Carolina.

MYRLIN BARRON (1961) *Instructor in Physical Education*
B.A., Mary Hardin-Baylor; M.A., Columbia.

HAROLD M. BARROW (1948) *Professor of Physical Education*
A.B., Westminster; M.A., Missouri; P.E.D., Indiana.

ROBERT CLARENCE BECK (1959) *Associate Professor of Psychology*
B.A., Ph.D., Illinois.

* Names are arranged alphabetically. Date following name indicates year of appointment. More than one date indicates separate appointments.

Faculty

- CHARLES S. BLACK (1919, 1925) *Professor of Chemistry*
B.A., M.A., Wake Forest; M.A., Virginia; Ph.D., Wisconsin.
- JAMES CAREY BLALOCK (1950) *Associate Professor of Chemistry*
B.S., M.A., Wake Forest; Ph.D., Florida.
- ROBERT W. BREHME (1959) *Assistant Professor of Physics*
B.S., Roanoke; M.S., Ph.D., North Carolina.
- H. GRADY BRITT (1938, 1947) *Professor of Biology*
B.S., M.A., Wake Forest; Ph.D., Virginia.
- JOHN C. BRODERICK (1957) *Associate Professor of English*
A.B., Southwestern (Memphis); A.M., Ph.D., North Carolina.
- DALMA ADOLPH BROWN (1941) *Associate Professor of English*
B.A., M.A., North Carolina.
- GEORGE MCLEOD BRYAN (1956) *Professor of Religion*
B.A., M.A., Wake Forest; B.D., Ph.D., Yale.
- JULIAN C. BURROUGHS, JR. (1958) *Assistant Professor of Speech*
B.A., Wake Forest; M.A., Ph.D., Michigan.
- RUTH F. CAMPBELL (1962) *Assistant Professor of Spanish*
B.A., Woman's College, North Carolina; M.A., North Carolina; Ph.D., Duke.
- D. ALLEN CARROLL (1962) *Instructor in English*
B.A., Wake Forest; M.A., Claremont Graduate School.
- JOHN A. CARTER, JR. (1961) *Assistant Professor of English*
B.A., Virginia; M.A., Ph.D., Princeton.
- DOROTHY CASEY (1949) *Instructor in Physical Education*
B.S., Woman's College, North Carolina; M.A., North Carolina.
- CHANGBOH CHEE (1959) *Assistant Professor of Sociology*
B.A., Chosun Christian University, Seoul, Korea; B.A., North Central College;
M.A., Ph.D., Duke.
- FORREST W. CLONTS (1922, 1925) *Associate Professor of History*
B.A., Wake Forest; M.A., Ohio State.
- NORMAN G. CLYNE, JR. (1962), *Captain, Artillery, U. S. Army; Assistant Professor of Military Science.*
B.S., The Citadel.

Faculty

- WILLIAM SMALL COBB, JR. (1961) *Instructor in Philosophy*
B.A., Wake Forest; B.D., Union Theological Seminary, New York.
- ELTON C. COCKE (1938) *Professor of Biology*
B.S., M.S., Ph.D., Virginia.
- LEON P. COOK, JR. (1957) *Associate Professor of Accounting, School of Business Administration*
B.S., Virginia Polytechnic Institute; M.S., Tennessee; C.P.A., Arkansas.
- MARJORIE CRISP (1947) *Assistant Professor of Physical Education*
B.S., Appalachian State Teachers College; M.A., George Peabody.
- JOHN EDWARD DAVIS, JR. (1956) *Associate Professor of Biology*
B.A., M.A., Ph.D., Virginia.
- MARCEL E. DELGADO (1947) *Instructor in Spanish*
B.A., Carson-Newman; Th.M., Southern Baptist Theological Seminary.
- JOHN F. DIMMICK (1961) *Assistant Professor of Biology*
B.S., M.S., Western Illinois; Ph.D., Illinois.
- HUGH WILLIAM DIVINE (1954) *Professor of Law*
B.S., Georgia State College for Men; M.A., Louisiana State; J.D., Emory; LL.M., S.J.D., Michigan.
- N. TAYLOR DODSON (1957) *Professor of Physical Education*
B.S., M.A., North Carolina; Dir. P.E., P.E.D., Indiana.
- JUSTUS C. DRAKE (1946) *Assistant Professor of English*
B.A., M.A., Wake Forest.
- ROBERT H. DUFORT (1961) *Associate Professor of Psychology*
B.A., Ph.D., Duke.
- ROBERT ALLEN DYER *Associate Professor of Religion and Assistant Dean*
(See Administration.)
- CRONJE B. EARP (1940) *Professor of Classical Languages and Literature*
B.A., Wake Forest; M.A., Ph.D., Columbia.
- J. ALLEN EASLEY (1928) *Professor of Religion*
B.A., Furman; Th.M., Southern Baptist Theological Seminary; D.D., Furman.
- RICHARD BOZMAN EATON, JR. (1960) *Instructor in English*
B.A., Richmond; M.A., North Carolina.

Faculty

- LEO ELLISON, JR. (1957) *Instructor in Physical Education; Swimming Coach*
B.S., M.S., Northwestern State College.
- THOMAS M. ELMORE (1962), *Assistant to the Dean, Assistant Professor of Educational and Counseling Psychology*
(See Administration)
- ESRON McGRUDER FARIS, JR. (1957) *Professor of Law*
B.S., LL.B., Washington and Lee; LL.M., Duke.
- EDGAR ESTES FOLK (1936) *Professor of English*
B.A., Wake Forest; M.S., Columbia; Ph.D., George Peabody.
- RALPH S. FRASER (1962) *Associate Professor of German*
B.A., Boston; M.A., Syracuse; Ph.D., Illinois.
- JANE GILBERT FREEMAN (1962), *Instructor in Philosophy and Assistant Dean of Women*
B.A., Wake Forest; M.A., Duke.
- NATHANIEL HOWELL FURMAN (1961) *Professor of Chemistry*
B.S., A.M., Ph.D., Princeton.
- CLARKE W. GARRETT (1961) *Assistant Professor of History*
B.A., Carleton; M.S., Ph.D., Wisconsin.
- DOUGLAS STUART GATLIN (1961) *Instructor in Political Science*
B.A., M.A., Florida.
- ROLAND L. GAY (1933) *Associate Professor of Mathematics*
B.S., Wake Forest; M.S., North Carolina State.
- IVEY C. GENTRY (1949) *Professor of Mathematics*
B.S., Wake Forest; B.S., New York University; M.A., Ph.D., Duke.
- BYNUM C. GIBSON (1962), *Sergeant First Class, U. S. Army; Assistant in Instruction in Military Science.*
- C. N. GILES, JR. (1951) *Assistant Professor of Music*
B.S., Florida Southern; M.A., George Peabody.
- BALKRISHNA GOVIND GOKHALE (1960) *Professor of History and Asian Studies*
B.A., M.A., Ph.D., Bombay.
- DOROTHY ANNE GREENE (1962) *Instructor in Secretarial Studies*
B.A., Furman; M.A., Appalachian.

Faculty

- **ROBERT W. GREGG (1959)** *Assistant Professor of Political Science*
B.A., Colgate; Ph.D., Cornell.
- *ROBERT G. GREGORY (1957)** *Associate Professor of History*
B.A., M.A., Ph.D., University of California, Los Angeles.
- GEORGE J. GRIFFIN (1948)** *Professor of Religion*
B.A., Wake Forest; Th.B., Southern Baptist Theological Seminary; B.D., Yale;
Ph.D., Edinburgh.
- PAUL M. GROSS, JR. (1959)** *Associate Professor of Chemistry*
B.S., Duke; Ph.D., Brown.
- EMMETT WILLARD HAMRICK (1952)** *Professor of Religion*
A.B., North Carolina; Ph.D., Duke.
- PHILLIP J. HAMRICK, JR. (1956)** *Associate Professor of Chemistry*
B.S., Morris Harvey; Ph.D., Duke.
- CARL V. HARRIS (1956)** *Associate Professor of Classical Languages and Literature*
B.A., Wake Forest; B.D., S.T.M., Yale; Ph.D., Duke.
- WILLIAM OLIVER HARRIS (1957)** *Assistant Professor of English*
B.A., Wake Forest; M.A., Ph.D., North Carolina.
- RALPH CYRUS HEATH (1954)** *Professor of Marketing, School of Business Administration*
A.B., Princeton; M.B.A., D.B.A., Indiana.
- ROBERT MEREDITH HELM, JR. (1940)** *Professor of Philosophy*
B.A., Wake Forest; M.A., Ph.D., Duke.
- J. EDWIN HENDRICKS, JR. (1961)** *Assistant Professor of History*
B.A., Furman; M.A., Ph.D., Virginia.
- PHILIP M. HENDRICKS, JR. (1961)** *Instructor in Mathematics*
B.S., M.S., North Carolina State.
- EMILY L. HERRING (1962)** *Instructor in English*
B.A., Woman's College, North Carolina; M.A., Wake Forest.
- OWEN F. HERRING (1946)** *Professor of Religion*
B.A., M.A., Wake Forest; Th.M., Th.D., Southern Baptist Theological Seminary;
D.D., Georgetown College, Ky.

* Absent on leave, 1962-63.

** Absent on leave, Fall 1962.

Faculty

- ROBERT P. HIGGINS (1961) *Assistant Professor of Biology*
B.A., M.A., Colorado; Ph.D., Duke.
- BENJAMIN J. HILLMAN (1962) *Instructor in History*
B.A., Wake Forest; M.A., North Carolina.
- DAVID ALLEN HILLS (1960) *Assistant Professor of Psychology and Associate Director of the Center for Psychological Services*
A.B., Kansas; M.A., Ph.D., State University of Iowa.
- KEITH A. HITCHINS (1958) *Instructor in History*
A.B., Union College; A.M., Harvard.
- G. E. HOOKS (1956) *Associate Professor of Physical Education*
B.S., Wake Forest; M.Ed., North Carolina; Ed.D., George Peabody.
- BRUCE F. HOPPER (1961) *Instructor in Speech*
B.A., M.A., Arkansas.
- CALVIN R. HUBER (1962) *Instructor in Music*
B.M., M.M., Wisconsin.
- BINNIE E. HUMPHREY (1962) *Instructor in French and Spanish*
B.A., M.A., Emory.
- DELMER P. HYLTON (1949) *Professor of Accounting, School of Business Administration*
B.S., M.B.A., Indiana University; C.P.A., Indiana.
- ROBERT NEVILL ISBELL (1926, 1957) *Associate Professor of Chemistry*
B.A., William Jewell; Ph.D., Wisconsin.
- JAMES LINDSEY IVEY (1962) *Instructor in French*
B.A., M.Ed., North Carolina.
- J. ROBERT JOHNSON, JR. (1957) *Associate Professor of Mathematics*
B.S., Wake Forest; M.A., Ph.D., Duke.
- DAVID W. JOHNSTON (1959) *Associate Professor of Biology*
B.S., M.S., Georgia; Ph.D., University of California at Berkeley.
- EDGAR W. JORDAN (1955), *Instructor in Physical Education; Track Coach*
B.A., Richmond; M.Ed., North Carolina.
- *ROY JUMPER (1956) *Associate Professor of Political Science*
A.B., M.A., South Carolina; Ph.D., Duke.

* Absent on leave, 1962-63.

Faculty

- ALONZO W. KENION (1956) *Assistant Professor of English*
A.B., M.A., Duke.
- HARRY LEE KING, JR. (1960) *Assistant Professor of Spanish*
B.A., Richmond; M.A., Ph.D., North Carolina.
- LEON H. LEE (1962) *Instructor in English*
B.A., High Point; M.A., Wake Forest.
- ROBERT E. LEE (1946) *Professor of Law*
B.S., LL.B., Wake Forest; M.A., in Public Law, Columbia; LL.M., S.J.D., Duke.
- OSCAR J. LEWIS (1956) *Associate Professor of Accounting, School of Business Administration*
B.A., Baylor; M.B.A., Mississippi; C.P.A., Tennessee.
- JAMES B. LINDER (1961) *Instructor in Mathematics*
B.S., M.A., North Carolina.
- W. ROSS LIVINGSTON (1962) *Visiting Professor of History*
A.B., Knox; A.M., Missouri; Ph.D., Wisconsin.
- ROBERT W. LOVETT (1962) *Instructor in English*
B.A., Oglethorpe; M.A., Emory.
- JAMES C. McDONALD (1960) *Assistant Professor of Biology*
B.A., Washington University, St. Louis; M.A., Ph.D., Missouri.
- THANE McDONALD (1941) *Professor of Music*
Mus.B., Mus.M., Michigan; Ed.D., Teachers College, Columbia.
- J. GAYLORD MAY (1961) *Assistant Professor of Mathematics*
B.S., Wofford; M.A., Ph.D., Virginia.
- W. GRAHAM MAY (1961) *Assistant Professor of Mathematics*
B.S., Wofford; M.A., Ph.D., Virginia.
- JAN P. MELVIN (1961) *Instructor in German*
B.A., Manchester; M.A., Indiana University.
- JASPER L. MEMORY, JR. *Professor of Education and Director of Placement Bureau*
(See Administration.)
- HARRY B. MILLER (1947) *Professor of Chemistry*
B.S., Ph.D., North Carolina.

Faculty

JEWEL B. MINTZ (1962), *Staff Sergeant, U. S. Army; Assistant in Military Science*

CARLTON T. MITCHELL (1961) *Assistant Professor of Religion*
B.A., Wake Forest; B.D., Yale; S.T.M., Union Theological Seminary, New York;
Ph.D., New York University.

DANIEL C. MOONEY (1956) *Master Sergeant, U. S. Army; Assistant in Military Science*

THOMAS E. MULLEN (1957) *Assistant Professor of History*
B.A., Rollins; M.A., Ph.D., Emory University.

JOHN W. NOWELL (1945) *Professor of Chemistry*
B.S., Wake Forest; Ph.D., North Carolina.

JAMES C. O'FLAHERTY (1947) *Professor of German*
B.A., Georgetown College; M.A., Kentucky; Ph.D., Chicago.

AULSEY THOMAS OLIVE (1961) *Assistant Professor of Biology*
B.S., Wake Forest; M.S., Ph.D., North Carolina State.

JEANNE OWEN (1956) *Associate Professor of Business Law, School of Business Administration; Acting Dean of Women*
B.S., Woman's College, North Carolina; M.C.S., Indiana; J.D., North Carolina.

ROBERT E. PACE (1960) *Instructor in Sociology*
A.B., William and Mary; M.A., North Carolina.

HAROLD DAWES PARCELL (1935) *Professor of French*
B.A., North Carolina; M.A., Ph.D., Harvard.

JOHN ERNEST PARKER, JR. (1950) *Professor of Romance Languages and Education*
B.A., Wake Forest; A.M., Ph.D., Syracuse.

CLARENCE H. PATRICK (1946) *Professor of Sociology*
B.A., Wake Forest; B.D., Andover Newton; Ph.D., Duke.

PERCIVAL PERRY *Professor of History and Dean of Summer Session*
(See Administration.)

*ELIZABETH PHILLIPS (1957) *Assistant Professor of English*
A.B., Woman's College, North Carolina; M.A., State University of Iowa; Ph.D., Pennsylvania.

* Absent on leave, 1962-63.

Faculty

- HERMAN J. PRESEREN (1953) *Associate Professor of Education*
B.S., State Teachers College, California, Pennsylvania; M.A., Teachers College, Columbia; Ph.D., North Carolina.
- KEITH W. PRICHARD (1961) *Assistant Professor of Education*
B.S., Indiana; M.A., Columbia; Ed.D., Harvard.
- EARL V. QUESINBERRY (1957, 1960), *Sergeant First Class, U. S. Army;*
Assistant in Military Science
- CHARLES M. RAMSEY (1953), *Professor of Economics, School of Business*
Administration
A.B., Duke; M.A., Cornell; M.A., Ph.D., Harvard.
- FRITHJOF A. RAVEN (1962) *Visiting Professor of German*
B.A., M.A., Washington; Ph.D., George Washington.
- MRS. BEULAH LASSITER RAYNOR (1946) *Instructor in English*
B.A., East Carolina Teachers College; M.A., Wake Forest.
- JOHN F. REED (1959), *Colonel, Infantry, U. S. Army; Professor of Military*
Science
A.B., Pennsylvania State; M.A., Washington and Jefferson.
- ALBERT C. REID (1917, 1920) *Professor of Philosophy*
B.A., M.A., Wake Forest; Ph.D., Cornell.
- CLAUD HENRY RICHARDS, JR. (1952) *Professor of Political Science*
B.A., Texas Christian; M.A., Ph.D., Duke.
- JOHN EWING ROBERTS (1962), *Instructor in Classical Languages and*
Literature
B.A., Wake Forest; B.D., Yale.
- LEON SPURGEON ROBERTSON (1962) *Instructor in Sociology*
B.A., Carson-Newman.
- MRS. MARY FRANCES McFEETERS ROBINSON (1952), *Associate Professor*
of French
B.A., Wilson College; M.A., Ph.D., Syracuse.
- PAUL S. ROBINSON (1952) *Associate Professor of Music*
B.A., Westminster College; Mus.B., Curtis Institute of Music; M.Sac. Mus., D.Sac. Mus. School of Sacred Music, Union Theological Seminary.
- GAINES M. ROGERS, *Professor of Finance and Dean of the School of Business*
Administration
(See Administration.)

Faculty

- JOSEPH G. RUNNER (1962) *Instructor in French and Spanish*
B.A., Drury; M.A., Indiana.
- JOHN W. SAWYER (1956) *Professor of Mathematics*
A.B., M.A., Wake Forest; M.A., Ph.D., Missouri.
- JOHN DONALD SCARLETT (1955) *Professor of Law*
B.A., Catawba; LL.B., Harvard.
- KARL MYRON SCOTT (1955), *Professor of Management, School of Business Administration*
B.A., Arkansas; M.S., Iowa State College; Ph.D., Illinois.
- PAUL B. SEARS (1962) *Professor of Biology*
B.S., Ohio Wesleyan; M.A., Nebraska; Ph.D., Chicago.
- WARREN A. SEAVEY (1960) *Visiting Professor of Law*
A.B., LL.B., Harvard.
- BEN M. SEELBINDER (1959) *Associate Professor of Mathematics*
B.S., Mississippi Delta State College; M.A., Ph.D., North Carolina.
- GOLDEN SHELL (1962), *Staff Sergeant, U. S. Army; Assistant in Military Science*
- HOWARD WILLIAM SHIELDS (1958) *Associate Professor of Physics*
B.S., North Carolina; M.S., Pennsylvania State; Ph.D., Duke.
- FRANKLIN R. SHIRLEY (1948) *Associate Professor of Speech*
B.A., Georgetown College; M.A., Columbia; Ph.D., Florida.
- RICHARD LEE SHOEMAKER (1950), *Associate Professor of Romance Languages*
B.A., Colgate; M.A., Syracuse; Ph.D., Virginia.
- ROBERT N. SHORTER (1958) *Instructor in English*
B.A., Union College; M.A., Duke.
- REID B. SINCLAIR (1961) *Instructor in English*
B.A., Randolph-Macon; M.A., Vanderbilt.
- JAMES E. SIZEMORE (1953) *Professor of Law*
B.S., East Tennessee State; LL.B., Wake Forest.
- DAVID L. SMILEY (1950) *Associate Professor of History*
B.A., M.A., Baylor; Ph.D., Wisconsin.

Faculty

- GILBERT SMITH (1962) *Instructor in Spanish*
B.A., Baylor; M.A., Tulane.
- HENRY LAWRENCE SNUGGS (1945) *Professor of English*
B.A., Wake Forest; M.A., Ph.D., Duke.
- ANN B. SNYDER (1959) *Instructor in German*
B.A., Whitman.
- JACK T. STALLINGS (1958), *Instructor in Physical Education; Head Baseball Coach*
B.S., Wake Forest; M.Ed., North Carolina.
- ALBERT C. STILLSON (1962), *Assistant Professor of Political Science*
B.A., Oberlin; M.A., Ph.D., Columbia.
- HENRY SMITH STROUPE, *Professor of History and Director of the Division of Graduate Studies*
(See Administration.)
- ROBERT L. SULLIVAN (1962) *Assistant Professor of Biology*
B.A., Delaware; M.S., Ph.D., North Carolina State.
- JIVAN TABIBIAN (1962) *Instructor in Political Science*
B.A., American University of Beirut; M.A., Princeton.
- LYELL JEROME THOMAS (1953) *Associate Professor of Economics, School of Business Administration*
A.B., Berea; M.A., Ph.D., Virginia.
- MRS. ANNE S. TILLET (1956) *Assistant Professor of Romance Languages*
B.A., Carson-Newman; M.A., Vanderbilt; Ph.D., Northwestern University.
- LOWELL R. TILLET (1956) *Associate Professor of History*
B.A., Carson-Newman; M.A., Columbia; Ph.D., North Carolina.
- THOMAS J. TURNER (1952) *Professor of Physics*
B.S., North Carolina; M.S., Clemson; Ph.D., Virginia.
- DAN OTTO VIA, JR. (1956) *Associate Professor of Religion*
B.S., Davidson; B.D., Southern Baptist Theological Seminary; Ph.D., Duke.
- MARCELLUS E. WADDILL (1962), *Assistant Professor of Mathematics*
B.A., Hampden-Sydney; M.A., Ph.D., Pittsburgh.
- JENNINGS L. WAGONER JR. (1962) *Instructor in Education*
B.A., Wake Forest; M.A.T., Duke.

Faculty

- JAMES H. WALTON (1956) *Instructor in Speech*
B.S., M.A., Nebraska.
- ROBERT H. WHEELER (1960) *Instructor in English*
B.A., Cornell; M.A., Boston University.
- CARROLL W. WEATHERS *Professor of Law and Dean of the School of Law*
(See Administration.)
- JAMES A. WEBSTER, JR. (1951, 1954) *Professor of Law*
B.S., LL.B., Wake Forest.
- NORMAN A. WIGGINS (1956) *Professor of Law*
B.A., LL.B., Wake Forest; LL.M., Columbia.
- GEORGE P. WILLIAMS, JR. (1958) *Associate Professor of Physics*
B.S., Richmond; M.S., Ph.D., North Carolina.
- JOHN EDWIN WILLIAMS (1959) *Professor of Psychology and Director of
the Center for Psychological Services*
B.A., Richmond; M.A., Ph.D., University of Iowa.
- EDWIN GRAVES WILSON *Professor of English and Dean of the College*
(See Administration.)
- RAYMOND L. WYATT (1956) *Associate Professor of Biology*
B.S., Wake Forest; M.A., Ph.D., North Carolina.
- KENNETH E. YANCEY (1961) *Instructor in Physics*
B.S., Southwestern, Tennessee.
- WILFRED BUCK YEARNs, JR. (1945) *Associate Professor of History*
B.A., Duke; M.A., Georgia; Ph.D., North Carolina.
- RICHARD L. ZUBER (1962) *Assistant Professor of History*
B.S., Appalachian; M.A., Emory; Ph.D., Duke.

PART TIME STAFF MEMBERS

- MISS WINNIFRED ANDREW (1962) *Visiting Teacher of Flute*
B.A., Duke.
- THOMAS DIENER (1960) *Visiting Teacher of Oboe and Bassoon*
B.M.E., Murray State.
- RAY DEMPSEY (1960) *Instructor in English*
B.A., Vanderbilt; M.A., Georgia.
- MRS. MADGE EASLEY (1962) *Visiting Teacher of Piano*
Diploma in Piano, Meredith.
- MRS. LUCILLE S. HARRIS (1957) *Visiting Teacher of Piano*
B.A., B.M., Meredith.
- MRS. BARBARA B. HILLS (1962) *Instructor in Psychology*
B.A., M.A., Ph.D., Iowa.
- GEORGE H. HOBART (1957) *Visiting Professor of Economics*
A.B., Michigan; M.A., Ph.D., North Carolina.
- MRS. ANDREA S. HOCUTT (1962) *Visiting Teacher of Piano*
B.M., Westminster Choir College.
- H. GARDNER HUDSON *Lecturer in Law*
B.A., North Carolina; LL.B., Harvard.
- EUGENE JACOBOWSKY (1960) *Visiting Teacher of Violin*
B.S., Julliard School of Music; M.A., Teachers College, Columbia.
- MRS. ETHEL LASHMIT KALTER (1960) *Artist in Residence, Voice*
Certificate, Westminster Choir College.
- CALVIN KNOBELOCH (1962) *Visiting Lecturer in Speech*
A.B., Indiana; Ph.D., Florida.
- JOHN T. McDOWELL (1958) *Lecturer in Sociology*
B.A., Furman; M.S.W., North Carolina.
- CHARLES MEDLIN (1960) *Visiting Teacher of Cello*
Certificate in Performance, Julliard School of Music.
- MISS RUBY WOOLF (1960) *Visiting Teacher of Viola and Double Bass*
B.M., Oklahoma; M.A., in Music Education, George Peabody.

COACHING STAFF

WILLIAM H. GIBSON (1956) B.A., M.A., Wake Forest.	<i>Director of Athletics</i>
JESSE I. HADDOCK (1954) B.S., Wake Forest.	<i>Assistant Director of Athletics</i>
C. WILLIAM HILDEBRAND (1956) B.S., Mississippi State.	<i>Football Coach</i>
HORACE A. MCKINNEY (1952)	<i>Basketball Coach</i>
JACK T. STALLINGS (1958) <i>Baseball Coach; Instructor in Physical Education</i> B.S., Wake Forest; M.Ed., North Carolina.	
EDGAR W. JORDAN (1956) <i>Track Coach; Instructor in Physical Education</i> B.A., Richmond; M.Ed., North Carolina.	
LEO ELLISON, JR. (1957) <i>Swimming Coach; Instructor in Physical Education</i> B.S., M.S., Northwestern State College.	
WILLIAM BEATTIE FEATHERS (1961) B.S., Tennessee.	<i>Freshman Football Coach</i>
BORIS DIMANCHEFF (1962) B.S., Purdue University.	<i>Assistant Football Coach</i>
ALBERT P. PEPPLER (1962) B.S., Michigan State University.	<i>Assistant Football Coach</i>
RAY THORNTON (1960) B.A., Mississippi.	<i>Assistant Football Coach</i>
KENNETH M. BRYANT (1957) B.A., Wofford.	<i>Assistant Basketball Coach</i>
WILLIAM DEBERRY FESPERMAN (1960) B.A., Duke.	<i>Freshman Football Coach</i>
JACK MURDOCK (1960) <i>Freshman Basketball Coach; Freshman Baseball Coach</i> B.A., Wake Forest.	
JAMES H. LEIGHTON, JR. (1962) A.B., Presbyterian College.	<i>Tennis Coach</i>
LEWIS MARTIN (1958)	<i>Athletic Trainer</i>

STAFFS OF THE LIBRARIES

The Z. Smith Reynolds Library (General Library)

CARLTON P. WEST, M.A., B.S. in L.S., *Librarian*

FREDERICK R. DARKIS, JR., M.A., M.S. in L.S., *Circulation Librarian*

MINNIE S. KALLAM, A.B., B.S. in L.S., *Reference Librarian*

MRS. ERNESTINE P. HOWE, B.S. in L.S., *Catalog Librarian*

MRS. DOROTHY ROWLEY, A.B., B.S. in L.S., *Periodicals Librarian*

JAMES M. NICHOLSON, M.A., M.S. in L.S., *Director of the Baptist
Collection*

MARJORIE KEITH, M.A.L.S., *Assistant Catalog Librarian*

MRS. MARGARET V. SHOEMAKER, A.B. in L.S., *Assistant Catalog
Librarian*

MRS. ANNE M. NICHOLSON, B.S. in L.S., *Assistant Catalog Librarian*

MARY HARRIET WHITE, B.M., M.L., *Assistant Catalog Librarian*

EMILY FLOWERS, B.A., M.S.L.S., *Assistant Catalog Librarian*

MRS. ELSA H. WILLIAMS, B.S.L.S., *Assistant Catalog Librarian*

MRS. ISABEL E. ZUBER, B.S., *Assistant Catalog Librarian*

MINNIE MORRIS HUGGINS, B.A., B.S. in L.S., *Documents Librarian*

Library of the School of Law

MRS. VIVIAN L. WILSON, A.B., B.S. in L.S., *Librarian*

Library of the Bowman Gray School of Medicine

NELL BENTON, B.A., *Librarian*

MRS. ANITA F. MONROE, A.B., *Assistant Librarian*

COMMITTEES OF THE FACULTY

1963-64

Effective September 1, 1963

The terms of members, except where otherwise shown, expire on August 31 of the year indicated. Each committee selects its own chairman except where the chairman is designated. All members of a committee vote except as otherwise indicated.

Absences

Non-voting. Dean of the College, Registrar, Dean of Women.

Voting. 1966 C. V. Harris; 1965 Scott; 1964 Wyatt.

Admissions

Non-Voting. Dean of the College, Registrar, Dean of Women, Director of Admissions.

Voting. 1966 Carter, Scott; 1965 Angell, Turner; 1964 Johnson, G. P. Williams.

Advisory Council to Lower Division

Johnson, Chairman; Angell, Aycock, Banks, Barnett, Blalock, Brehme, Britt, Burroughs, Campbell, Carter, Chee, Cook, Davis, Dimmick, Dodson, Dyer, Fraser, Garrett, Gregg, Gregory, E. W. Hamrick, P. J. Hamrick, C. V. Harris, J. E. Hendricks, Higgins, Hitchins, Hooks, Johnston, Kenion, Lewis, J. G. May, W. G. May, Miller, Mitchell, Olive, Parker, Phillips, Prichard, Raynor, M. F. Robinson, P. S. Robinson, Scott, Smiley, Thomas, A. S. Tillett, Via, Waddill, G. P. Williams, Wyatt.

Athletics

Administrative: Dean of the College, Treasurer, Faculty Chairman Sawyer; 1966 Parker, Shirley; 1965 Broderick, Helm; 1964 Cook, Dodson.

Buildings and Grounds

Administrative Officials: Copeland, Moore, Patterson, Wilson; 1968 O'Flaherty, 1967 Black, 1966 C. M. Allen, 1965 Miller, 1964 Heath.

Calendar

Dean of the College, Registrar, Dean of Women.

Curriculum

Dean of the College, Chairman; President, Dean of the School of Business Administration, Registrar, and the chairman of each de-

Committees

partment of the School of Arts and Sciences as follows; Biology, Chemistry, Classical Languages, Education, English, German, History, Mathematics, Military Science, Music, Philosophy, Physical Education, Physics, Political Science, Psychology, Religion, Romance Languages, Sociology and Anthropology, Speech.

Executive

Non-Voting. President, Dean of Women.

Voting. Dean of the College, Chairman; Dean of the School of Business Administration, and the following faculty members: 1966 Helm, M. F. Robinson; 1965 Aycock, E. W. Hamrick; 1964 Gross, J. E. Williams.

Graduate Council

Director of Graduate Studies, Chairman; Dean of the College; 1967 Gentry; 1966 Burt, Mullen; 1965 Goodman, Shields; 1964 Gross; 1963 Johnston.

Honors

Dean of the College, Chairman; 1967 Seelbinder; 1966 Gross; 1965 Broderick; 1964 Mullen.

Library

Librarian and the following faculty members: 1966 Drake, Fraser, P. J. Hamrick, Hylton, J. C. McDonald, Mitchell, Shirley; 1965 J. E. Hendricks, J. G. May, Patrick, Prichard, Shoemaker; 1964 Brehme, Dufort, Earp, Gregg, Hooks, Reid, P. S. Robinson.

Nominations

1966 Barrow, Gentry; 1965 Banks, Britt; 1964 Hylton, Mullen.

Orientation

Dean of the College, Chairman; Dean of Women, President of the Student Government or his designated representative.

Publications

Folk, Chairman; Burroughs, Carter, Copeland, W. O. Harris, Parker, A. S. Tillett, Wilson, Yearns.

ROTC Board

Co-ordinator Black, Professor of Military Science, and the following faculty members: 1966 Heath, 1965 Banks, 1964 Hooks.

Schedule

Non-voting. Dean of the College, Registrar.

Voting. 1968 Olive; 1967 Davis; 1966 Ramsey; 1965 Johnson; 1964 Drake.

Scholarships and Student Aid

Dean of the College, Dean of Women, and the following faculty members: 1966 Burroughs, Crisp; 1965 Bryan, Cook; 1964 Gregory, Johnston.

Student Affairs

Non-voting. President, Dean of the College, Dean of Women, Chaplain, Director of Concerts and Lectures.

Voting. 1966 Barnett, Dimmick, Prichard; 1965 Garrett, Hooks, Jordan; 1964 Preseren, Ramsey, P. S. Robinson.

Faculty Marshals

1966 P. J. Hamrick; 1965 Barrow.

Faculty Council

President of the College, Chairman; Dean of the College, Dean of the School of Law, Dean of the Bowman Gray School of Medicine, Dean of the School of Business Administration, and the following, whose terms expire on December 31 of the year indicated:

Representatives of the School of Arts and Sciences: 1965 Clonts, L. R. Tillett; 1964 Memory, P. S. Robinson; 1963 E. W. Hamrick, Parcell.

Representatives of the School of Law: 1965 Faris; 1964 Wiggins.

Representatives of the Bowman Gray School of Medicine: 1965 R. L. Tuttle; 1964 R. W. Prichard.

Representatives of the School of Business Administration: 1965 Heath; 1964 Ramsey.

THE COLLEGE AND ITS EQUIPMENT

Historical Sketch

Historical Background. The history of the founding of Wake Forest College is inseparable from the history of the formation of the Baptist State Convention. One of the two main purposes which led to the organization of the convention in 1830 was to establish an educational institution that would give training under Christian influences and provide educated ministers.

Immediately after the formation of the Baptist State Convention, Dr. Samuel Wait, serving as agent for the Convention, began an intensive four-year educational campaign among the Baptists of the State. Two years later, in 1832, the Convention purchased from Dr. Calvin Jones a 600-acre farm sixteen miles north of Raleigh, to be used as a site for the proposed school.

Wake Forest Institute. Under the authorization of a charter granted by the State Legislature in December 1833, the school was opened as Wake Forest Institute on February 3, 1834, with Dr. Wait as principal. Although the primary purpose was to give collegiate instruction in the arts and sciences, for five years the Wake Forest Institute operated as a manual labor school, attracting liberal patronage from the large planters of the State, who wished their sons to receive practical training in agriculture, along with education in the liberal arts. In 1836 the enrollment had increased from the original 16 to 141.

The College. The annual labor feature was abandoned at the close of the year 1838, and the institution was rechartered, in December 1838, as Wake Forest College.

With teachers who were graduates of Columbia

College, Brown University, and Dartmouth College, and with a liberal arts curriculum that was standard for the time, Wake Forest College conferred the degree of Bachelor of Arts upon four young men in June 1839.

From 1839 to 1894 the College operated exclusively as a college of liberal arts; the School of Law was established in June 1894, the School of Medicine in May 1902, the School of Business Administration in 1948, the Division of Evening Classes in 1957, and the Division of Graduate Studies in 1961. In 1942 the College became co-educational.

The College has given instruction to many thousands of students and has sent them out into varied fields of service. Among these have been a large number of ministers, missionaries, lawyers, physicians, educators, writers, scientists, businessmen, farmers, and influential leaders in governmental affairs. From the beginning the College has made marked contributions to Christianity, to culture, and to a higher type of citizenship generally, in accordance with the original purpose of the founders of the institution.

In 1946 the Trustees of the College and the Baptist State Convention accepted an offer made by the Z. Smith Reynolds Foundation to give the College \$350,000 annually in perpetuity for operation of the school on condition that it be moved to Winston-Salem and that other friends of the College provide a campus site and buildings. This decision was made three years after the College had undertaken an Enlargement Program to provide much needed buildings and other physical facilities on the old campus.

Mr. Charles H. Babcock and his wife, the late Mary Reynolds Babcock, contributed a part of the beautiful Reynolda Estate for the new campus. Ground-breaking ceremonies were held on October 15, 1951, with the

Historical Sketch

President of the United States delivering the principal address. The following spring actual construction began. Accompanying the construction was intensive fund-raising. In 1955 the Z. Smith Reynolds Foundation increased its annual payments to the College to \$500,000. The actual move from Wake Forest to Winston-Salem took place in May and June of 1956. The Bowman Gray School of Medicine of the College had been moved to Winston-Salem in 1941 when it received the resources of the Bowman Gray Foundation.

Summer school opened on the new campus on June 18, 1956, the fall term on September 11 and formal dedication exercises were held on October 18. The old campus and buildings at Wake Forest were sold to the Southern Baptist Convention for use of the Southeastern Baptist Theological Seminary which now occupies the campus.

Administration and Instruction. The College is governed by a Board of Trustees which is elected by the North Carolina Baptist Convention. The Board has thirty-six members who serve four-year terms, with nine being chosen each year at the annual convention.

During its history of 129 years the College has been headed by a total of ten presidents, the administrations of four of these (Dr. Washington Manly Wingate, Dr. Charles E. Taylor, Dr. William Louis Poteat and Dr. Thurman D. Kitchin) covering a total of 88 years. The complete list of presidents,* with the dates of their administrations, follows:

Samuel Wait, D.D.....	1834-45
William Hooper, D.D., LL.D.....	1845-49
John Brown White, M.A.....	1849-54

*During the years 1882-84, William Bailey Royall, B.A., M.A., D.D. (Professor of Greek), served as chairman of the Faculty.

Washington Manly Wingate, D.D.....	1854-79
Thomas Henderson Pritchard, D.D.....	1879-82
Charles Elisha Taylor, D.D., LL.D.....	1884-1905
William Louis Poteat, LL.D., Litt.D.....	1905-27
Francis Pendleton Gaines, Ph.D., Litt.D., LL.D.....	1927-30
Thurman D. Kitchin, M.D., LL.D., F.A.C.P..	1930-50
Harold Wayland Tribble, M.A., Th.M., Th.D., Ph.D., D.D., LL.D.....	1950-

The growth and progress of the College are due in no small degree to the leadership of its presidents* and to the faculty of instruction, many of whom have rendered distinguished service for thirty years or more. These include: Dr. William Bailey Royall, professor of Greek, 62 years; Dr. William Louis Poteat, Biology, 55 years; Dr. Benjamin F. Sledd, English, 50 years; Prof. Edgar W. Timberlake, Law, 50 years; Dr. J. Hendren Gorrell, Modern Languages, 45 years; Dr. Hubert McNeill Poteat, Latin, 44 years; Dr. Needham Y. Gulley, Law, 44 years, and Dr. George W. Paschal, Classical Languages, 43 years. Mr. Elliott B. Earnshaw served as Bursar for 45 years. Of the present faculty, sixteen have served more than thirty years, including the following who became emeriti after serving thirty-five years or more: Dr. W. R. Cullom, professor emeritus in 1938, after completing his forty-second year, and Dr. D. B. Bryan who was Professor of Education for thirty-six years and Dean of the College for thirty-four years. Prof. Hubert A. Jones taught Mathematics for fifty-one years; Dr. Henry Broadus Jones, English, thirty-five years; Dr. Ora C. Bradbury, Biology, thirty-six years; and Prof. Kenneth T. Raynor, Mathematics, thirty-five years. Mrs. Ethel Taylor Crittenden retired in

*Those interested in more specific information are referred to the three-volume *History of Wake Forest College* by Dr. George W. Paschal.

1946 after thirty-one years as Librarian. In a word, the College has enlisted and retained throughout their teaching careers men who have devoted themselves to the College and to its ideals of culture and Christian leadership.

Endowment

In 1865 the endowment fund of Wake Forest College was \$11,700, the remnant from the wreck of war. In 1876, through the efforts of Dr. C. E. Taylor and Mr. James S. Purefoy, about \$20,000 was added to the endowment. By January 1, 1884, Dr. Taylor had increased the endowment to \$100,000 and had raised up a generous friend of the College in Mr. Jabez A. Bostwick, of New York City. In 1885 Mr. Bostwick created the Bostwick Loan Fund by a gift of \$12,000 and in 1886 made a further gift of \$50,000. In 1891 Dr. Taylor raised, by subscription and still another gift of Mr. Bostwick, the sum of \$40,000. Under the terms of the will of Mr. Bostwick, dating from February 1, 1892, the endowment was increased, in 1923, by stock valued at about \$1,500,000. From 1906 to 1910 Professor J. B. Carlyle undertook to raise \$150,000. Of this sum \$117,798.56 was realized, of which the General Education Board of New York contributed a fourth. More than \$100,000 was added by receipts from the Seventy-five Million Campaign and the pro rata contribution of the General Education Board. On November 20, 1925, Mr. B. N. Duke, of New York City, made a generous donation to the endowment of 1,000 shares of Duke Power Company stock valued at \$150,000. On August 3, 1939, the resources of the Bowman Gray Foundation were awarded to Wake Forest College, to be used exclusively by the School of Medicine.

The Chair of the Bible, known as the Albritton Chair

of the Bible, is provided by a gift of \$25,000.00 contributed in 1919 by the children of the Reverend John T. Albritton and \$25,000.00 by the Eastern Baptist Association.

On December 21, 1946, eighteen-thirty-fifths of the income from the James A. Gray Trust Fund was made available to the School of Medicine for the general furtherance of teaching and research.

The total endowment funds now controlled by the College amount to approximately \$7,480,000 (book value as of June 30, 1962).

The Trustees of The Z. Smith Reynolds Foundation, Inc., and The Trustees of Wake Forest College entered into a contract on November 16, 1946, whereby the Foundation made available to the College income of the Foundation up to \$350,000 per year in perpetuity, this sum being increased to \$500,000 in 1955. The income so received was applied to the costs of construction on the new campus prior to the time of removal in 1956 and thereafter to the cost of operations.

The College holds a beneficial interest of one-fourth of the income of the Mary K. Fassett Trust Fund established by Dr. Burton W. Fassett of Durham, N. C., this interest to increase when the principal of the fund reaches a specified amount.

The College holds a beneficial interest of 41% of the income of the Lucy Teague Fassett Memorial Trust Fund, also established by Dr. Fassett, this interest to increase when the principal of the fund reaches a specified amount.

Under the terms of the will of Colonel George Foster Hankins of Lexington, North Carolina, who died in 1954, The George Foster Hankins Foundation was established, to be managed and controlled by The Trustees of Wake Forest College. The income of the

Buildings

Foundation is to be used for scholarships and loan funds in aid of worthy and deserving students displaying promise and ability who might be denied a college education because of lack of means, with preference in the award of scholarships and loans to be given to applicants from Davidson County, North Carolina. The assets of the Foundation on June 30, 1962, at book value amounted to approximately \$1,234,000.

R. J. Reynolds Tobacco Company Professorships

In 1958 the R. J. Reynolds Tobacco Company made a grant of \$125,000 to the College for the purpose of establishing one or more distinguished professorships in chemistry: Under the provisions of this grant Dr. Paul M. Gross, Jr., Associate Professor of Chemistry, and Dr. N. Howell Furman, Professor of Chemistry, have been appointed as R. J. Reynolds Tobacco Company Professors.

Babcock Professorship of Botany

The Babcock Professorship of Botany is endowed by the Mary Reynolds Babcock Foundation through a grant made in 1958. Under the provisions of this grant, Dr. Paul B. Sears was appointed the first Babcock Professor of Botany effective with the school year 1962-1963.

Buildings and Grounds

The physical equipment of the College includes about 411 acres of land and 16 buildings. There are, in addition, a president's home, ten faculty apartment buildings housing seventy-two separate families, and two buildings containing fifty-six apartments for married students. Construction on the campus was begun in

1952 and it was occupied for the first time beginning with the summer session of 1956. The buildings are of modified Georgian architecture, constructed of Old Virginia brick and trimmed in granite and limestone. Situated on beautifully landscaped hills, the campus is one of the most attractive in the South.

The Reynolda Gardens, consisting of a tract of approximately 95 acres, is situated south of the campus. This tract includes a formal garden, greenhouses, parking areas, a lake, and a wooded area with trails. The formal garden features one of the finest collections of Japanese cherry trees in the United States. This area of natural beauty was a gift to the College from the Mary Reynolds Babcock Foundation through transfers made in 1958 and 1961.

Academic Buildings

Wait Chapel. Located at the head of the campus plaza is Wait Chapel, so designated in memory of the first President of Wake Forest College, Samuel Wait. Its spire towers two hundred and thirty feet into the air and its auditorium has a seating capacity of twenty-five hundred. A four-manual pipe organ and choir space for one hundred members are a part of the equipment. Wait Chapel faces toward the south, overlooking the plaza, with Reynolda Hall in the foreground and four large dormitories for men at right and left.

Wingate Hall. Attached to Wait Chapel on the northern end is a four-story building for the Department of Religion and for educational purposes of a campus church. This part of the building has been named in honor of Washington Manly Wingate, President of Wake Forest College, 1854-1879. In addition to classrooms and offices for professors, there is the Paul Price

Buildings

Davis Meditation Chapel, equipped with pews and other facilities, for the use of small groups. There is also in the basement an assembly room accommodating about three hundred people and equipped with stage and dressing rooms.

Reynolda Hall. Located at the southern end of the plaza area and facing Wait Chapel is Reynolda Hall, administration and student center. A wing on the west end accommodates administrative offices of the College; a wing of similar size on the east end furnishes facilities for student organizations and activities. On the ground floor, facing south, is the cafeteria, equipped for seating at one time one thousand people and for serving four lines. Behind the cafeteria are kitchens, refrigeration units, and storage rooms. On the floor above are lounges and conference rooms. On the third floor are a large banquet room and space which will be used temporarily for classrooms and offices for professors. A fourth floor contains a number of classrooms.

The Z. Smith Reynolds Library. Situated at the center of the academic campus, this building contains space for eight tiers of book stacks, with a capacity for about one million volumes. Surrounding the book stacks are four floors of rooms for reading, reference, and various other uses of a modern library. Some of the space in this building is to be used for a few years for classrooms and offices.

Salem Hall. Directly west of the Library, this three-story building housed the three basic sciences of biology, chemistry, and physics for the first five years on the new campus, with the departments of Biology and Psychology occupying Winston Hall beginning in September

1961. Salem Hall contains laboratories, classrooms, and offices, as well as a large lecture room and ample storage space, for the departments of Chemistry and Physics.

Winston Hall. This three-story building, just west of Salem Hall, was completed and occupied in September 1961. It provides classrooms, laboratories, faculty offices, seminar rooms, and a small auditorium for the departments of Biology and Psychology.

The W. N. Reynolds Gymnasium. Located just east of Reynolda Hall, this building is equipped with classrooms for instruction in physical education, courts for basketball and other indoor sports, a swimming pool, offices for members of the faculty of the Department of Physical Education and of the Department of Athletics. Here also, is housed the Department of Military Science and Tactics. No provision is made in this building for large spectator facilities, since the near-by Memorial Coliseum will be used for intercollegiate basketball games and other indoor sports. On either side of the Gymnasium are sports fields and courts for tennis, handball, and volleyball.

Law Building. At the opposite end of the campus from Winston Hall is located the building for the School of Law. It is a four-story structure, containing classrooms, offices, a moot court, an assembly room, a library, a seminar room, a law review room, and a student lounge.

Residence Buildings

Dormitories for Men. Bordering the plaza area on the east and the west are four quadrangles of dormitories for men, with accommodations for fifteen hundred students. The dormitories are named in honor of Charles Elisha Taylor, William Louis Poteat, and Thurman Delna

Kitchin, former Presidents of Wake Forest College, and Egbert Lawrence Davis, a benefactor of the College. Each quadrangle contains three main floors with open galleries overlooking the quadrangles. From these galleries are entrances to the suites of rooms each of which is occupied by a small group of students. Connecting the Poteat and Taylor Dormitories with the Chapel entrance are two wings, equipped to accommodate about one hundred students each. One of these wings is Efird Hall, in honor of Mr. J. B. Efird of Charlotte, and another, Huffman Hall, in honor of Mr. Frank Huffman of Morganton. Facing the plaza are a post office, a bank, a drug store, a book store, and a number of shops, all housed in these dormitories.

Dormitories for Women. At the southern end of the campus, facing Reynolda Hall, are three dormitories for women accommodating six hundred and fifty students, that on the east being named in honor of Mr. Jabez A. Bostwick, one of the chief benefactors of the College, that in the center being named Lois Johnson Dormitory in honor of Miss Lois Johnson, first Dean of Women of Wake Forest College, and that on the west being named Mary Reynolds Babcock Dormitory, in honor of the late Mrs. Charles H. Babcock, a chief benefactor of the College.

Both double and single rooms are available for students. A kitchen is located in each building, and a launderette is provided on each floor of each building. A large lounge is located on the first floor of each building.

The Power Plant, connected by tunnels with all buildings on the campus, is located on a lower level northwest of the athletic fields. Attractive and modern in design, it is equipped with two massive boilers that

furnish heat and hot water for all buildings, including the faculty apartments, and is the basis of the air-conditioning system installed in Wait Chapel, Reynolda Hall, the Z. Smith Reynolds Library, Winston Hall, Salem Hall, the Law Building, and the Gymnasium.

The Maintenance Building. Located in close proximity to the power plant to the south is the maintenance building for the purpose of making repairs and constructing many things essential to the operation of the various departments of the College.

Libraries

In its several libraries the College possesses a total of 223,014 volumes, not including several thousand United States Government publications. These volumes are distributed as follows: the Z. Smith Reynolds Library (general), 156,292; the Library of the School of Law, 31,000; and the Library of the Bowman Gray School of Medicine, 35,722.

The books which constitute the Z. Smith Reynolds Library have been chosen principally to serve three basic purposes. It is considered essential, in the first place, to develop and service a library which will be adequate to the instructional program of a liberal arts college and which will provide fundamental reference works. Furthermore, in keeping with the position of the College as an integral part of the North Carolina Baptist organization, a Baptist Collection, now including more than 5,000 items, is maintained. Substantial files of Baptist newspapers and periodicals, and manuscript records of many individual churches are included. Finally, to provide material for the study of North Carolina and the Southeastern region, a workable collection of North Caroliniana and materials concerning neighboring states has been promoted. The generosity of certain

individuals has made possible the special collections mentioned below.

The late Dr. Charles Lee Smith of Raleigh, an alumnus and life-long bibliophile, bequeathed his personal library to the College. It is a collection of more than 7,000 volumes rich in first editions and important association items. Funds from a bequest of his brother, the late Oscar T. Smith of Baltimore, are used for the purchase of similar materials, although such acquisitions are shelved apart from the Charles Lee Smith library itself.

The Paschal Collection was established Christmas 1950 by George W. Paschal, Jr., 1927, Raleigh surgeon, in recognition of the interest in the Library manifested by his father, George Washington Paschal, and also in memory of his father's twin brother, Robert Lee Paschal. The Collection is regularly enlarged and, although heterogeneous in nature, primarily contains material relating to the humanities. The aim of the founder of the Collection is to add to the working efficiency of the Library. While this collection is principally supported by the donor, it has also received and welcomes contributions from interested friends. A special bookplate is used for items acquired for the Collection.

To acquire the more important editions of the works of Edmund Spenser, together with significant background titles, a sum of money has been contributed by Dr. Charles G. Smith of Baylor University in honor of his wife, Cornelia Marschall Smith. A fund established by the late Dr. Herman Harrell Horne of New York University is applied to the purchase of general titles of particular value to undergraduate instruction.

Other groups of books, smaller but no less significant than those mentioned above, may be found in the

Library. The late Dr. B. W. Spilman both financed and otherwise encouraged the collection of books whose authors are alumni of the College. Through participation in the McGregor Plan, an arrangement whereby funds provided by the late Mr. Tracy McGregor were made available to a selected group of colleges and universities for the purchase of rare Americana, the Library has acquired a valuable collection of works belonging to the colonial and early national periods of American history. As a United States Government depository the Library has available the more important documents issued by the various governmental agencies. As the result of a gift from the Carnegie Corporation the Library contains about 2,500 excellent photographs and many books pertaining to the history of painting, sculpture, and architecture. A group of more than a thousand bookplates was contributed by Mrs. Clara T. Evans of New York City.

The Library of the School of Law contains 31,000 volumes, including not only the reports, statutes, and digests required by the American Association of Law Schools but also the leading textbooks, encyclopedias, and periodicals.

The Library of the Bowman Gray School of Medicine is a collection of 35,722 volumes which provides the books, periodicals, and monographs necessary to instruction and research in medical theory and practice. More than 900 current periodicals, both domestic and foreign, are received.

The Spilman Philosophy Seminar contains a carefully selected group of books for the use of advanced students in philosophy. Although not supported by Library funds but based upon an endowment given by the late Dr.

B. W. Spilman and upon the newly established A. C. Reid Philosophy Fund, it forms a valuable part of the book resources of the College.

Art Museum

The Museum of Art is made up mainly of the T. J. Simmons Collection, presented to the College by the late Dr. Thomas Jackson Simmons of Gainesville, Ga., and formally opened to the public on June 2, 1941. Including some additions, there are about sixty paintings, thirty-five etchings and lithographs, five pieces of sculpture, and several other art objects in the collection.

The Museum was enriched in 1957 by three paintings from the Hammer Galleries given by Mr. Arnold Kirkeby, and in 1960 by two paintings given by Mr. Clark Hartwell and three by Mrs. April Ruth Akston. Nearly all of the paintings are hung in public areas of various buildings on the campus.

ADMISSION

A candidate for admission to Wake Forest College must furnish testimonials of good moral character, must present evidences of educational achievement represented by graduation from an accredited public high school or an accredited private secondary school, and must present a senior year score on the Scholastic Aptitude (Morning) Test of the College Entrance Examination Board. The record of the work done by the applicant in high school or in a private secondary school and the recommendations of the school official must be sent direct to the Director of Admissions of Wake Forest College by an official of the school, and the test scores must be sent from the test center. They may not be submitted by the applicant.

Information about the times and places at which the College Board test may be taken and an application for taking the test may be secured from the high school or from College Entrance Examination Board, Box 592, Princeton, New Jersey.

Careful consideration will be given to the applicant's academic records, scores on tests, and evidences of character, purpose in life, and general fitness for college life at Wake Forest College. The College reserves the right to reject any application without explanation.

A student who wishes to be considered for transfer from another college must be a graduate of a standard junior college or must furnish a certificate of honorable dismissal stating that the applicant is eligible in all respects to re-enter the college last attended, and have an overall average of at least C on all college work attempted.

The applicant should fill out and return as early as practical the student's part of the application, and should then give to the high school principal, superintendent,

Admission

or other appropriate school official the other parts to be completed and sent to the Director of Admissions of Wake Forest College for the attention of the Committee on Admissions.

An application fee of \$10.00 to cover the cost of processing the application is required. This should accompany the application and will not be applied to later charges or refunded, in the event of failure to be admitted or of cancellation of the application.

If possible, the completed application should be sent at least seven months prior to the date on which the applicant hopes to enroll in Wake Forest College, but not before September 15 of the applicant's senior year in high school. Except in case of emergency, the final date for making application for the spring semester is January 15; for the fall semester, August 15.

The minimum prescribed requirements for admission to all degrees are as follows:

English	4 units
One Foreign Language	2 units
History (Social Studies)	2 units
Mathematics:	
Algebra	1½ or 2 units
Geometry	1 unit
Electives to bring the total to 16 units	

A student who is admitted from another college before fully meeting the minimum prescribed requirements outlined above for entering freshmen must remove the entrance conditions during the first year at Wake Forest.

A student who transfers from another college must have an overall average of at least C on all college work attempted.*

*Please see academic requirements for graduation, especially for one who has attended more than one college before applying for admission to Wake Forest College.

When an applicant has received notice of acceptance for admission or re-admission to Wake Forest College, an admission deposit of \$50.00 must be sent to the Director of Admissions of Wake Forest College not later than three weeks after the notice of acceptance is mailed. (Make checks payable to Wake Forest College.) Failure to pay this deposit within three weeks will be considered as indicating that the applicant does not intend to enter Wake Forest College. This deposit will be credited toward the applicant's college fees. It will be refunded, if the application for admission or re-admission is cancelled by the applicant and a written request for refund is received by the Director of Admissions of Wake Forest College not later than June 1 for the fall semester or November 1 for the spring semester. Refunds will not be made after these dates.

If a student is accepted for admission or re-admission after June 1 for the fall semester or after November 1 for the spring semester, the admission deposit is due within two weeks of the date of acceptance. Deposits made after June 1 and November 1 are not refundable.

No deposit is required of a student who expects to enroll for the summer session only.

Advanced Placement

Wake Forest College recognizes college-level work done in high school by giving credit and placement on the basis of Advanced Placement Examinations of the College Entrance Examination Board and such pertinent supplementary information as may be available.

Exceptionally qualified applicants for advanced standing may receive exemption from some basic courses with credit on the authorization of the department concerned. For the purposes of computing quality point ratios, etc., credit gained by advanced standing exami-

Advanced Standing

nation is treated as credit transferred to Wake Forest College from another college.

Admission to Advanced Standing

Courses satisfactorily completed in other accredited colleges are accepted under the regulations that have been adopted by the faculty for the approval of such courses. In general, however, no credit is allowed for courses not found in the curriculum of Wake Forest College. All credits allowed for advanced standing are held in suspense until the candidate has spent one term in residence. The minimum residence requirement for a baccalaureate degree is two academic years—the senior year and one other.

COLLEGE CHARGES AND FINANCIAL ARRANGEMENTS

(Veterans: See statement on page 102)

General Statement. Statements in this Bulletin concerning expenses are not to be regarded as forming an irrevocable contract between the student and the College. The College reserves the right to change without notice the cost of instruction at any time within the student's term of residence.

Payment and Settlement of Accounts. Each student is responsible for the settlement of his own account. Beginning on page 53, statements of charges made are listed, and the student is expected to meet the schedules of payment therefor and to settle promptly all bills rendered.

The College does not extend credit or make arrangements for payments of charges other than those set out in this Bulletin. Plans for financing college charges are offered by the First-Citizens Bank and Trust Company, Raleigh, North Carolina; The Tuition Plan, Inc., 1 Park Avenue, New York 16, New York. Information may be obtained by writing directly to these organizations or to the Treasurer of the College.

The College expects students to pay tuition and other charges when due or to arrange financing of charges as explained in the preceding paragraph.

Faculty regulations require that a student's College account must be settled in full before he is entitled to receive his grades, a transcript of his record, a diploma, or to register for the succeeding semester.

Withdrawal. Students withdrawing must follow the procedure set forth on page 96 and must present their student activity books to the Treasurer before any claim for refund may be considered, *In general, the refund is on*

Charges

a pro rata basis if withdrawal occurs within 30 days from the first day of registration as indicated in the College calendar on page 3.

Bank Accounts and Check-Cashing. Students will greatly facilitate their financial arrangements by opening a checking account with the Wake Forest office of the Wachovia Bank and Trust Company, located on the campus, since the College cannot undertake to cash checks.

Checks and money orders presented in payment of accounts should be made payable to WAKE FOREST COLLEGE.

A cafeteria is located on the campus. Meals may be purchased individually or under an optional board plan. A student obtaining meals individually may expect to pay about \$400-\$450 for the school year. Slater Food Service Management, which serves Wake Forest's dining needs, has recently announced a contractual Board Plan arrangement whereby a student may cut his food expense at college by one-third. This is a prepayment plan of one or three installments each semester to insure the student a well rounded diet of his own choosing. Both cafeteria and table service are available on this plan with a free choice of menu. For further details write to Slater Food Service Management, Box 7393, Reynolda Station, Winston-Salem, North Carolina.

Books and supplies are available at the College Book Store, located on the campus. The estimated cost is \$75-\$100 for the school year, depending on the courses for which the student is enrolled.

Laundry is arranged for privately. A laundry operated by a Winston-Salem firm is located in Charles E. Taylor Dormitory.

School of Arts and Sciences and School of Business
Administration

Charges for the Regular School Year

All charges are due and payable at registration unless otherwise indicated.

	<i>Fall Semester</i>	<i>Spring Semester</i>	<i>Total for Year</i>
Tuition ¹	\$350.00 ²	\$350.00 ³	\$700.00
Dormitory Room Rental	100.00 ⁴	100.00 ⁴	200.00
College Union Fee	3.00	3.00	6.00
	\$453.00	\$453.00	\$906.00

Deduct admission deposit (\$50.00) or reservation deposit (\$25.00) from above charges, if such deposits are paid. See Pages 49, 56

Tuition is intended to bear in part the total cost of operations of the College. It specifically includes such items as would normally require the payment of a fee, namely, libraries, laboratories, admission to all inter-collegiate athletic contests at Wake Forest College (when student activity book is presented), and to certain student activities, including religious and dramatic organizations, cost of student publications, consisting of the yearbook, *The Howler*, and the subscription price of \$2.50 annually for the student newspaper, *Old Gold & Black*. It further provides for the attendance of the College physician and nurses in the College hospital for temporary emergencies.

The *College Union fee* is required of all students at registration. It is intended to bear in part the total cost of the operation of the College Union (see page 88).

¹ Part-time students (those enrolled for less than 12 semester hours) pay a flat charge of \$20.00 per semester hour in lieu of tuition and general fee. Part-time students are not entitled to claim the concessions listed on page 73 nor are they entitled to admission to athletic contests and receipt of publications as are full-time students.

²\$175.00 may be deferred until November 1.

³\$175.00 may be deferred until March 1.

⁴\$125.00 for single room and \$150.00 for double room occupied as single room.

Charges

Charges for the Summer Session

A bulletin of the Summer Session is published in March of each year and may be obtained by writing Dean of the Summer Session, Wake Forest College, Winston-Salem, North Carolina. This bulletin should be consulted for detailed information concerning charges and courses.

All charges are due and payable at registration.

	<i>First Session</i>	<i>Second Session</i>	<i>Total</i>
Summer School Fee ¹	\$ 60.00 ²	\$ 60.00 ²	\$120.00
Dormitory Room Rental.	20.00	20.00	40.00
TOTAL.....	\$ 80.00	\$ 80.00	\$160.00

School of Law

Charges for the Regular School Year

The Bulletin of the School of Law should be consulted for detailed information. A copy may be obtained by addressing the Dean of the School of Law, Wake Forest College, Winston-Salem, North Carolina.

All charges are due and payable at registration.

	<i>Fall Semester</i>	<i>Spring Semester</i>	<i>Total for Year</i>
Tuition ³	\$275.00	\$275.00	\$550.00
Dormitory Room Rental.	100.00 ⁴	100.00 ⁴	200.00
Student Bar Association			
Dues.....	2.75	2.75	5.50
	\$377.75	\$377.75	\$755.50

Deduct admission deposit or reservation deposit from above charge, if such deposits are paid. See pages 49, 56.

¹ Part-time students (those enrolled for 3 semester hours or less) pay a flat charge of \$12.50 per semester hour.

² No concessions or scholarships are available in the summer session, except that the charge to public school teachers is \$45.00 per session when duly authorized by the Dean of the Summer Session.

³ Part-time students (those enrolled for 7 semester hours or less) pay a flat charge of \$137.50.

⁴ \$125.00 for single room and \$150.00 for double room occupied as single room.

No general fee is charged, but students in the School of Law have the same privileges described on page 53 as do students in the School of Arts and Sciences and the School of Business Administration.

Charges for the Summer Session

The summer term in the School of Law consists of one nine-week session.

Tuition ¹	\$137.50
Dormitory Room Rental.....	30.00
TOTAL.....	\$167.50

Bowman Gray School of Medicine

The Bulletin of the Bowman Gray School of Medicine should be consulted for information as to expenses. Requests therefor should be addressed to the Dean of the Bowman Gray School of Medicine of Wake Forest College, Winston-Salem, North Carolina.

Division of Graduate Studies

The Bulletin of the Division of Graduate Studies should be consulted for information as to expenses. Requests therefor should be addressed to the Director of Graduate Studies, Wake Forest College, Winston-Salem, North Carolina.

Other College Charges

Information concerning the charges listed below will be found immediately following the table.

*Admission Application Fee.....	\$10.00
*Admission Deposit.....	50.00

¹Part-time students (those enrolled for 3 semester hours or less) pay a flat charge of \$68.75.

*Not required in the Summer Session.

Charges

Applied Music.

(Amounts shown are per semester):

One hour lesson per week. . . . \$72.00

One half hour lesson per week 40.00

Class instruction (maximum fee
per student) 30.00

Practice studio (with piano) rental
per semester (one hour daily) \$ 6.00

Practice studio (with piano) rental
per semester (two hours daily) 10.00

Organ practice per semester
(one hour daily) 10.00

Organ practice per semester
(two hours daily) 14.00

Other instrument rental per
semester 5.00

Dormitory Damage and Repairs

As charged by Director of Residences

Graduation Fee (Arts and Sci-
ences, Business Administra-
tion, Law) 10.00

Graduation Fee (Graduate
Studies) 25.00

Hospital Bed and Board Charge. 3.00 daily

Key 3.00 each

Library Fines As charged by Library

*Reservation Deposit 25.00

Room Change Fees:

Authorized Changes 5.00

Unauthorized Changes 20.00

ROTC Deposit 20.00

Special Examination 2.50

Student Apartment Rental 60.00 monthly

*Not required in the summer.

Traffic Fines:

Vehicle Registration Fee	\$ 2.00
Unregistered Vehicle	10.00 per violation
Illegal Parking	2.00 per violation

Trailer Park Rental:

Per Semester	30.00
Per Summer Term	10.00

Transcripts (first copy is free) . . . 1.00 each

Admission Application Fee. Required with each application for admission to the School of Arts and Sciences to cover costs of processing. Non-refundable.

Admission Deposit. Required of each student entering for the first time, or re-entering after a period of non-attendance, the School of Arts and Sciences and the School of Law. Must be sent to the Director of Admissions (or to the Treasurer, in the case of law students) within three weeks after acceptance for admission or readmission. The deposit is credited to the student's college charges for the semester for which he has been accepted for admission. It is refunded if the Director of Admissions (or the Dean of the School of Law in the case of law students) is notified in writing prior to June 1 for the fall semester and November 1 for the spring semester, of cancellation of plans to enter. No officer of the College has authority to modify these refund dates.

Applied Music. Required in addition to tuition of students enrolling for individual or class study in applied music as described in the offering of the Department of Music (p. 191). Payable in the Treasurer's office not later than November 1 and March 1, respectively, for the fall and spring semesters.

Dormitory Damages and Repairs. The student is charged

Charges

for damage to his room or college property in accordance with Dormitory Rule 4 appearing on page 63. These charges may be appealed to the Board of Dormitory Damage Appeals if the student feels they are not merited.

Graduation Fee. Required of all students who are candidates for degrees, whether or not they are present for the graduation exercises, and must be paid prior to the date of graduation. Covers the cost of diploma, academic costume, and other expenses pertaining to graduation.

Hospital Bed and Board Charge. Charged to students when confined to the College Hospital. An additional charge is made for special surgeon or special nurse, when their services are required, and for special and expensive drugs. The provision for hospital service and the attendance of a physician applies to the student only and cannot be extended to members of his family.

Key Deposit. Required for each key issued to a dormitory room or student apartment. Refunded when key is returned to the Director of Residences.

Library Fines. Charges for overdue and lost books and for violation of other Library regulations. Payable in the Library.

Reservation Deposit. Students enrolled in the spring semester who expect to return for the next regular session beginning in September are required to pay a reservation deposit at a date set by the Treasurer. It is credited to the student's college charges and will be refunded under the same conditions specified for the admission deposit, except that refunds will be made if requested prior to June 30.

An undergraduate student who fails to pay the \$25

reservation deposit at the required time during the spring semester shall not be eligible to register for the next fall semester.

Room Change Fees. A charge of \$5.00 is incurred for authorized room changes made after October 1 in the fall semester, after February 15 in the spring semester, and after the first week of each summer session. An authorized room change is one which has been made with the permission of the Director of Residences or the Dean of Women, as appropriate. A fine of \$20.00 is incurred for any unauthorized change.

ROTC Deposit. Required of each student enrolled in an ROTC course before equipment may be issued to him. Refunded at the end of the school year or upon withdrawal from the course, less a cleaning charge and less any loss or damage, fair wear and tear excepted. If loss or damage exceeds \$20.00 the deposit is forfeited, and the student is responsible for the excess over \$20.00.

Special Examination. Required for each special examination taken to remove a course condition.

Student Apartment Rental. Required to be paid monthly in accordance with written lease executed for the apartment between the student and the Director of Residences acting on behalf of the College.

Traffic Fines. Assessed against students violating parking regulations, copies of which are obtainable from the Superintendent of Buildings and Grounds. May be appealed to the Board of Traffic Appeals.

Trailer Park Rental. Required to be paid in accordance with written lease executed for college trailer park space between the student and the Director of Residences acting on behalf of the College.

Housing

Transcripts. The first copy of a student's record is issued free of charge. Subsequent copies cost \$1 each. Transcripts are requested from the Registrar.

Food Services

Three types of food services are offered to the students of Wake Forest College—cafeteria, grill, and table service. The cafeteria menus feature a multiple choice planned and supervised by a trained home economist. The grill with its soda shop operates until 10:30 p.m. week nights and is a favorite spot for students to gather. The Magnolia Room is the table service dining room giving the students a quiet place to enjoy eating and offering a menu with greater variety, as well as foods prepared to order. The average student spends from \$1.65-\$2.00 per day for food, exclusive of soda shop purchases, but a board plan is available (page 52).

Housing

All unmarried undergraduate students who do not live in Winston-Salem or near Winston-Salem with their parents must live on the campus unless given permission in writing to the contrary by the Dean of the College or the Dean of Women.

Student Apartments and Trailer Park

An apartment building containing fifty-six apartments is located on the northwest edge of the campus. A trailer park containing fifty-five spaces is located on the east side of the campus. The apartment and trailer park are available for married couples, who must actually reside therein.

Application for apartment and trailer space must be

made to the Director of Residences, who maintains a waiting list. Assignment is made in order of priority of application, and a lease is executed by the student and the College.

Apartment and trailer space is available only to bona fide students of Wake Forest College.

Rooms—Men

The rent is \$100.00 per semester per student due and payable at registration and may not be deferred. Room rental is not refunded upon withdrawal.

See below for the rules governing the use of dormitory rooms.

Rooms—Women

Married women students are not ordinarily permitted to live in the dormitories. Single women students in the professional schools may live in quarters approved by the Dean of Women.

The assignment of rooms to women students is made by the Dean of Women after admission requirements have been completed. Notification of assignments is generally made in the summer preceding the opening of the session in September.

The rent is \$100.00 per semester per student, due and payable at registration, and may not be deferred. Room rental is not refunded upon withdrawal.

See below for the rules governing the use of dormitory rooms.

Dormitory Rules

The following rules apply to the use of dormitory rooms:

Dormitory Rules

1. The period for which rooms are rented is one semester; however, any student remaining in the same room for the second semester will not need to sign a new room contract as the contract provides for automatic renewal to cover the room assignment for the second semester. The College reserves the right to change or cancel room assignments in the interest of order, health, discipline, or other urgent reasons.

Each student, in accepting his/her assignment, agrees to abide by the room contract, the Constitution of the Student Body, and the dormitory regulations printed on the reverse side of the contract, and to permit, in his presence, duly authorized personnel to inspect his room and any effects in such room. Authorized personnel may enter rooms at any time to check for cleanliness or to make necessary repairs, or when it appears to the College that the safety of the students is endangered or where property damage is involved.

2. All payments for room rent are made at registration. Room rental is not refunded upon withdrawal. The occupant may not sublet the room to another student.

3. A woman student may exchange her room only with the advance written approval of the Dean of Women. A non-fraternity man may exchange his room only with the advance written approval of the Director of Residences. A fraternity man living in a fraternity section must follow the procedure outlined in the fraternity contract.

A charge of \$5.00 will be incurred for authorized room changes made after October 1 in the fall semester and after February 15 in the spring semester. (A charge of \$5.00 will be incurred for all authorized changes made after the first week of summer school.)

A fine of \$20.00 will be incurred for an exchange made otherwise.

4. The student will be charged for any damages which occur to his room or furnishings, for any damages on a pro rata basis which may occur to his suite, and for all damages caused by his neglect, misuse, or abuse of any part of the college property. Any student may appeal his dormitory damage charge to the Board of Dormitory Damage Appeals.

5. College furniture or furnishings are not to be moved from the room in which they have been placed by the College.

6. All residents must secure keys for dormitory rooms at the Office of the Director of Residences. All issues and exchanges must be made at the office. The use or possession of an unauthorized key is forbidden. A deposit of \$3.00 is required for a key, and this may be recovered by returning the key to the Director of Residences when leaving college. All keys must be returned, even though the student plans to occupy the same room for the summer session or for the ensuing fall semester. Failure to return a room key under these circumstances leaves the student liable for any damages which may occur to the room or suite.

7. The dormitories will open at 9:00 a.m. on the first day of the fall semester. The dormitories will be closed at noon on the first day of the Christmas holidays and will reopen at noon on the last day of the Christmas holidays. The dormitories will close at noon on the day after Commencement Day. Dormitories will be open at 2:00 p.m. on the day prior to the opening of the summer session and will close at 6 p. m. on the day the summer session ends. Occupancy of a room otherwise may be

Regulations

permitted only in an extreme emergency and must have the written approval of the Director of Residences or the Dean of Women, as appropriate, for which a charge of \$1.00 will be made for each day or fraction thereof.

8. The College assumes no liability for loss or damage to personal property.

Regulations

1. Only bona fide students of Wake Forest College may reside in the dormitories.

2. The College furnishes the principal articles of furniture. One additional small chest, table or chair may be allowed. Rugs are not allowed. Lamps and curtains or draperies (installed according to College regulations) are permissible. Furnishings are not to be used for other than the intended purpose and beds are not to be disassembled. Each student will supply his own linen (for single beds), desk lamp and bulbs, and wastebasket.

3. Curtains, draperies, pictures, pennants and clippings must be hung from the picture molding and not tacked or pasted on walls or woodwork.

4. Trunks and heavy luggage should be stored in trunk rooms.

5. No electrical or other type of equipment may be kept or used in a room which will in any way damage the room or its furnishings or which will interfere with the normal operation of lights, outlets, etc., which operate on the same circuit. No window fans or air conditioning units may be installed without the written permission of the Director of Residences. No cooking or refrigerating equipment or electric irons may be kept or used in a room.

6. It is forbidden to possess or use on the campus of this College any intoxicating liquors, wines or beer or any fire crackers or other explosives. Contraband will be confiscated. Any form of gambling is forbidden. Animals or fowl are not allowed in the dormitories.

7. Firearms are prohibited in the dormitories or on the campus except for instructional purposes connected with the ROTC unit.

8. Playing football, baseball, softball, golf, or any other sport is forbidden in the dormitory areas and must be confined to designated areas.

9. Women are not permitted in the dormitory section of men's dormitories.

10. The use of dormitory rooms as sales offices or storerooms, or the solicitation of sales or gifts within the buildings or grounds, is prohibited without permission of the Dean's office.

11. No aerials of any type may be installed on any College buildings without the prior written permission of the Superintendent of Buildings and Grounds.

12. Students are expected to cooperate with the campus guards and to identify themselves upon the request of a guard. Failure to do so will be construed as misconduct.

13. Each student is expected to display his name in the cardholder on the door.

14. Application for repairs should be made to the Housekeepers or at the office of the Director of Residences.

15. Any student who moves from any dormitory room relinquishes all rights to any further use of the room.

Regulations

16. Students are expected to refrain at all times from making excessive noise, either in person or by radios, record players or other instruments capable of causing noise. Students shall not in any way interfere with the comfort or rights of other students.

17. Students who fail to comply with these regulations may forfeit their right to live in the dormitory.

SCHOLARSHIPS, CONCESSIONS AND LOAN FUNDS

By regulation of the Board of Trustees, all scholarships and concessions (remitted tuition) must be approved by the Committee on Scholarships and Student Aid. The Committee requires that applications for scholarships and concessions be made on forms obtainable by addressing the Committee at Box 7305, Winston-Salem, N. C.

Concessions and scholarships supported by funds of the College are not granted to students enrolled in the professional schools of law and medicine.

Only one scholarship or concession supported by College funds may be granted to any one person. No student may receive a concession for more than eight semesters

To receive consideration for a scholarship or concession, the applicant must either be a registered, full-time student in Wake Forest College or have been accepted for admission.

Need is a factor in the award of virtually all scholarships, and each applicant must file a financial statement as part of his application for the scholarship.

The Committee reserves the right to revoke any scholarship or concession for unworthy achievement.

No scholarship or concession is automatically renewable. Application must be made each year.

Applicants should submit applications sufficiently early so that final action will have been taken before the beginning of the school year.

Special regulations govern the use of the Ministerial Aid Fund.

Scholarships

Junius Calvin Brown Scholarship. Donated by Mr. Junius Calvin Brown of Madison, North Carolina, in

Scholarships

honor of his wife, Eliza Pratt Brown. The fund shall be used to assist needy, worthy, and deserving students from North Carolina, with preference being given to students from the town of Madison and Rockingham County. There is approximately \$1,000 available for 1963-1964.

Burlington Industries Scholarship. Donated by Burlington Industries Foundation, this scholarship is available to one who will have junior standing in September 1963, has done all previous work at Wake Forest and has an average of 2.0 or better. Leadership, scholarship, and need are considered in making the award. The value of the scholarship is \$1,000.00, with half of this amount available in each of the junior and senior years.

The J. G. Carroll Memorial Athletic Scholarship. A fund donated in memory of Professor J. G. "Pop" Carroll, former Associate Professor of Mathematics. The award will be made to some deserving athlete who is not on a regular athletic scholarship. Approximately \$200 is available for 1963-1964.

College Scholarships. These scholarships, in the amounts of \$100 to \$700 each, are available to freshmen and upperclassmen presenting satisfactory academic records and evidence of need.

The Lecausey P. and Lula H. Freeman Scholarship. Donated by Mr. and Mrs. G. H. Singleton, Raleigh, North Carolina, in memory of the parents of Mrs. Singleton. One scholarship is available to a student who may be a freshman, sophomore, or junior, and whose home is within the West Chowan Baptist Association of North Carolina with preference to Bertie County students, on the basis of need and ability. If no qualified applicant appears from the West Chowan

Association, then residents of the Roanoke Association may be considered. The scholarship is renewable on the basis of need and ability for all school years except the senior year. Approximately \$200 will be available for 1963-1964.

George Foster Hankins Scholarships—Freshmen. These scholarships were made possible by the late Colonel George Foster Hankins of Lexington, N. C. Applicants must be residents of North Carolina or children of Wake Forest alumni residing in other states. Preference will be given to residents of Davidson County, North Carolina. Only high school seniors are eligible to compete and must request the necessary application forms before December 1 of their senior year. The value of these scholarships will range up to \$1,200.

George Foster Hankins Scholarships—Upperclassmen. Upperclassmen are eligible for Hankins Scholarships. However, they must have been enrolled in Wake Forest College for at least one semester before they may apply as upperclassmen. Applications must be on file with the Scholarships Committee no later than May 1 of each year for the following school year, and preference will be given to applicants from Davidson County, North Carolina. The amount of the award will vary according to the student's need as determined from the financial statement required to be submitted with his application.

Frank P. Hobgood Scholarship. This scholarship, donated by Mrs. Kate H. Hobgood of Reidsville, North Carolina, in memory of her husband, is available to those who qualify on "the basis of character, purpose, intelligence, and need, with preference being given to those who plan to enter the ministry, do religious work, become teachers, or become lawyers, the preference

Scholarships

being in the order named.” Applicants must be legal residents of the city of Reidsville or live within 10 miles of that city and must be recommended by the deacons of the First Baptist Church of Reidsville. For 1963-1964, \$500 will be available.

Junior College Scholarships. One scholarship is available each year to a graduate of each of the junior colleges of the North Carolina Baptist State Convention, in the amount of \$150. The recipient must rank in the upper one-fourth of the junior college graduating class. Awarded only on the recommendation of the president of the junior college.

Thurman D. Kitchin Scholarship. Donated by the Interfraternity Council in memory of the late Thurman D. Kitchin, President of Wake Forest College from 1930 to 1950, it is available to a male freshman student presenting a high school record of superior grade and evidence of need. The amount of \$300 is available for 1963-1964.

Roy A. Miller, III, Scholarship. Donated by Dr. and Mrs. Roy A. Miller of New Bern, North Carolina, in memory of Roy A. Miller, III, the amount of \$70 is available each semester to a ministerial student selected on the basis of merit and need.

Music Scholarships. These awards, with renewal provisions, are available annually to qualified orchestral string players wishing to matriculate at Wake Forest College. These grants are made jointly by the Winston-Salem Symphony Association and Wake Forest College. Grants are awarded on the basis of audition. Recipients agree as a condition of acceptance to perform with the Winston-Salem symphony and the Wake

Forest College Little Symphony. There are 6 awards, each valued at \$480 for 1963-64.

Norfleet Scholarship. Donated by Mr. Eustace Norfleet of Wilmington, North Carolina, in memory of his parents, John A. and Mary Pope Norfleet, four scholarships are available in the amount of \$200 each to "deserving and promising students desiring to attend Wake Forest College and needing financial assistance."

Dorothea van Deusen Opdyke Fund. This fund is a bequest left to the Southern Baptist Convention by Mrs. Ida Reed Opdyke of Jamestown, New York, as a memorial to her daughter, Dorothea van Deusen Opdyke, and is to be used for the education of mountain people. Awards are made by the Opdyke Scholarship Committee of the Southern Baptist Convention upon the recommendation of the College. Ordinarily, two scholarships in the amount of \$150 each are available each school year.

Benjamin Wingate Parham Scholarship. This fund was donated by Mrs. Kate J. Parham of Oxford, North Carolina, in memory of her husband. One scholarship shall be awarded in each school year on the basis of both ability and need. It may be renewed for succeeding years. The amount of \$1,500 is available for 1963-1964.

William Louis Poteat Scholarships. Five scholarships will be awarded annually to the graduates of the Baptist junior colleges in North Carolina. Applicants must request the necessary application forms before December 15 of their sophomore year. The winners will be selected from applicants who will be invited to the campus in early spring for competitive tests and interviews. Each scholarship will range up to \$500 depending on need as determined from a financial statement submitted

Scholarships

by each applicant with the application. It may be renewed for the senior year.

Oliver D. and Caroline E. Revell Memorial Scholarship Fund. Created under the will of the late Oliver D. Revell of Buncombe County, North Carolina, this fund makes available \$100 per year to one person preparing for the ministry or full-time religious work.

Kate B. Reynolds Memorial Scholarships. Donated in memory of the late Mrs. Kate B. Reynolds. Applicants must be residents of Forsyth County, North Carolina, who without financial aid would be unable to obtain education beyond high school. Preference will be given to men. Four scholarships of \$500 each will be awarded for the 1963-1964 school year.

A. M. Pullen and Company Scholarship. The A. M. Pullen and Company, Certified Public Accountants, grants to an outstanding upper division accounting major an annual tuition scholarship of \$600. The recipient, to be designated by the Dean of the School of Business, is selected on the basis of merit, financial need, and interest in public accounting.

The Saddye Stephenson Sykes Scholarship. Donated by Dr. Charles L. Sykes and Dr. Ralph J. Sykes in memory of their mother, Mrs. Saddye Stephenson Sykes, one scholarship will be awarded each year on the basis of Christian character, academic proficiency, and financial need. Preference will be given to freshmen from the State of North Carolina. It may be renewable each year. Approximately \$600 will be available for 1963-1964.

Jesse A. Williams Scholarships. Created under the will of the late Jesse A. Williams of Union County, North Carolina, this fund provides scholarships in amounts

of up to \$1,200 per year. Preference will be given to deserving students of Union County.

Charles Littell Wilson Scholarship. Created under the will of Mrs. Jennie Mayes Wilson in memory of her husband, the late Charles Littell Wilson, this fund makes available one freshman scholarship each year ranging from \$200 to \$600.

Concessions

Ministerial Students. Granted on the following conditions: (1) Written recommendation or license to preach authorized by the applicant's own church body and (2) signature by the applicant of an agreement to pay the amount of the concession, with interest, in the event that he does not serve five years in the ministry within twelve years from the last date of attendance at Wake Forest, subject to cancellation in the event of death. Value, \$300.00.

Children of Ministers. Awards to those whose fathers make their living chiefly by the ministry. The concession may be granted for not more than four school years. Value, \$150.00.

Rehabilitation Students. Awarded to physically handicapped students who have (1) secured the necessary letter of approval from the North Carolina Division of Vocational Rehabilitation, Raleigh, and (2) field application for the concession on tuition. The general fee is paid by the Division of Vocational Rehabilitation. Value, \$300.00.

Students' Wives. Awarded to wives of students in Wake Forest College for not more than four school years or the equivalent. Becomes void if the husband ceases to be enrolled. Value, \$150.00.

Loan Funds

Loan Funds

Bushnell Baptist Church Loan Fund. Established in 1945 with funds supplied by the Bushnell Baptist Church of Fontana Dam, North Carolina, for needy students.

Council Fund. Established in 1935 by Mr. C. T. Council of Durham, North Carolina, for the aid of senior students.

James W. Denmark Loan Fund. This fund was originated by the late James William Denmark of Dudley, North Carolina, in 1875, and is available to qualified students after at least one semester's work in the College. Preference is given to students from North Carolina. The amount available does not exceed \$500 each year and \$1,500 during the entire period of enrollment.

Olivia Dunn Student Loan Fund. Established under the will of Miss Birdie Dunn of Wake County, North Carolina, in memory of her mother, to be used as a loan fund for worthy students.

Duplin County Loan Fund. This loan fund was donated in 1942 by friends of the College who wish to remain anonymous and is limited to students from Duplin County, North Carolina.

Elliott B. Earnshaw Loan Fund. Established by the Board of Trustees of Wake Forest College as a memorial to the late E. B. Earnshaw, Bursar of Wake Forest College.

Friendly Student Loan Fund. The fund was established in 1948 by Miss Nell E. Stinson of Raleigh, North Carolina, in memory of her sister, Mary Belle Stinson Michael, for the benefit of worthy students who need

financial aid. Not more than \$100.00 is available to any one student in the same school year.

Grover Carroll Loan Fund. Donated by Lt. Col. and Mrs. Robert C. Wells in memory of the late James Grover Carroll, Associate Professor of Mathematics at Wake Forest College, the sum of \$1,000 is available, the principal and interest of which may be loaned at 4% interest to worthy students who would otherwise be unable to completely finance a college education.

George Foster Hankins Loan Fund. Established under the will of the late Colonel George Foster Hankins of Lexington, North Carolina, with preference to be given to applicants from Davidson County, North Carolina.

Harris Memorial Loan Fund. Established by the late J. P. Harris of Bethel, North Carolina, in memory of his first wife, Lucy Shearon Harris, and his second wife, Lucy Jones Harris, for students who have demonstrated ability to apply educational advantages to the rendition of enriched and greater Christian service in life and whose circumstances require financial assistance in order to prevent disruption in their educational program. Preference is given first to seniors, thereafter to juniors, sophomores, and freshmen in that order. The sum of not to exceed \$250 is available to any one student, at interest not to exceed $\frac{3}{4}$ of the maximum legal rate.

Thomas M. Hunter, Jr., Memorial Scholarship. Established in 1948 by Mr. and Mrs. Thomas M. Hunter of Fayetteville, North Carolina, as a loan scholarship in memory of their son. The loan scholarship is available for students enrolled in the Bowman Gray School of Medicine of Wake Forest College who are preparing to become medical missionaries.

Loan Funds

Edna Tyner Langston Fund. This fund, established in 1942 by Dr. Henry J. Langston of Danville, Virginia, in memory of his wife, is available to a student agreed upon by the donor and the college.

The National Defense Student Loan Program. This fund, created under the National Defense Education Act of 1958, makes available loans up to \$1,000 per year for students in need of financial assistance. The law further provides that special consideration in the selection of loan recipients be given to students with a superior academic background who express a desire to teach in elementary or secondary schools, and whose academic background indicates a superior capacity or preparation in science, mathematics, engineering, or a modern foreign language.

Watts Norton Loan Fund. Established in 1949 by Mr. L. Watts Norton of Durham, North Carolina. For the benefit of worthy young people attending the School of Religion who need financial assistance.

The Powers Fund. This fund was endowed by Dr. Frank P. Powers of Raleigh, North Carolina, in 1944 as a memorial to his parents, Frank P. and Effie Reade Powers, and is for the benefit of needy students, with preference given to orphans.

Grover and Addy Raby Loan Fund. Established in 1945 by Dr. J. G. Raby of Tarboro, North Carolina, in memory of his parents. Preference is given to applicants from the First Baptist Church of Tarboro.

James F. Slate Loan Fund. Established in 1908 by the late J. F. Slate of Stokes County, North Carolina, and is available for ministerial students who have been licensed to preach.

Ministerial Aid Fund

The Ministerial Aid Fund was established in 1897 through a bequest from the estate of the late J. A. Melke and has been added to from time to time.

Funds are available to ministerial students on either a loan or a grant basis. Written application must be made to the Committee on Scholarships and Student Aid on form obtainable from that committee. Awards are made on the basis of merit and need, and particularly in the case of grants, academic achievement. Five annual grants in the amount of \$200 each are regularly available, in addition to such others as the Committee may award.

German Exchange Scholarship

In 1959 a student exchange program was established between Wake Forest College and the Free University of Berlin. At present two scholarships are available to eligible Wake Forest College students. They provide: (1) 400 German marks a month for ten months at the Free University of Berlin; (2) remission of all registration and insurance fees; (3) 100 German marks a semester for the purchase of books necessary in the pursuance of studies at the university; (4) payment of transportation costs from the German border or a European port to Berlin and return. Candidates must have had at least two years of German at the college level or equivalent and must have acquired junior standing by the end of the semester in which they apply. Candidates may major in any of the fields offered at Wake Forest College with the permission of the chairman of the department in question.

Students in the Graduate Division, the School of Law, and the School of Medicine are eligible to apply for one of the scholarships. Successful candidates in these schools are also eligible to apply for Fulbright travel grants to and from Germany.

ACTIVITIES

Student Government

The two chief agencies of student government are the Student Legislature and the Student Honor Council.

The Student Legislature is composed of twenty-five representatives of the four classes, the vice-president of the student body serving as Speaker. It is the duty of the Student Legislature to perform all acts necessary in the exercise of its powers as the legislative branch of student government. The Legislature also sets up student committees to work parallel with faculty committees on matters concerning students.

The Student Honor Council, which tries violators of the Honor System, is composed of sixteen members from the senior, junior, and sophomore classes.

The Honor System

The Honor System is an expression of the concern of Wake Forest College that its students shall be dominated by ideals of honor and integrity. The Honor System is an integral part of the Student Government of the College as adopted by the students and approved by the Administration. The essence of the Honor System is that each student's word can be trusted implicitly and that any violation of a student's word is an offense against the whole student community. The Honor System binds the students in such matters as the following: He must neither give nor receive aid upon any examination, quiz or other pledge work; he must have complete respect for the property rights of others; he must not give false testimony or pass a worthless check knowing it to be such; he must report to the Student Council any violation of the Honor System that comes under his observation.

A student accused of violating the Honor System will

be given a hearing before the Student Council. If he is found guilty of cheating, he may be suspended from the College. Such student shall be re-admitted to the College only on the approval of the Faculty or its Executive Committee, and during the period of suspension his record shall not be subject to transfer to another college without a notation of his suspension. The penalty for stealing, giving false testimony, or knowingly passing a worthless check may also be suspension. The penalty for failing to report to the Student Council all violations of the Honor System which may come to a student's knowledge shall be in the discretion of the Student Council.

Students in enforcing the Honor System are protecting the integrity of their student community and their own individual rights and reputation. They thereby enjoy the confidence of one another, the Faculty, the Administration and the public.

Literary Societies

There are two literary societies—the Philomathesian and the Euzelian. These literary societies are regarded as important aids in the work of education, especially in giving training in parliamentary procedure, in cultivating and directing the taste for reading, and in the formation of correct habits of public speaking.

Society Day, an annual celebration of the literary societies, occurs in the autumn of each year, with a debate, orations, and other features.

Representatives of the literary societies participate in the Founder's Day programs on or near February 3 every year.

Senior Orations

On the second Monday in April the faculty selects four members of the senior class as speakers for com-

Debate Tournaments

mencement day. The nominations are made by a committee of the faculty from those who have spoken either before the committee or on some public occasion in college. The speakers selected are required to present their commencement addresses, limited to one thousand words, to the committee for approval before May 16.

Forensic Activities

Wake Forest has always stressed participation in debating and allied speech activities, and the College holds membership in a number of state and national speech organizations, including Tau Kappa Alpha, national honorary forensic fraternity. Representatives of the College engage in state, regional, and national tournaments, and take part in debates, oratorical contests, and many other forms of competitive speaking.

All undergraduate students in good standing are eligible to participate in forensics and to represent the College in intercollegiate competition.

Debate and Speech Tournaments

A. North Carolina High School Speech Festival

In the spring of each year, the College sponsors a speech festival, to which are invited the high schools of North Carolina. Trophies, medals, and certificates are given to the winning schools, and awards are made to individuals in debate, oral interpretation, radio announcing, extemporaneous speaking, oratory, after-dinner speaking and drama.

B. Novice Tournament

In the fall of each year the College sponsors a debate tournament to which are invited novice debaters from the colleges and universities of the

Southeastern United States. Awards are given to the winning schools at the end of the tournament. The tournament is open to college students who have never previously participated in intercollegiate debating.

C. Intercollegiate Tournament

During the school year, the College sponsors a national debate tournament to which are invited colleges and universities which excel in debate. Trophies are given to the winning schools.

Speech Institute

High school students are invited to participate in the Summer Speech Institute, which is held for four weeks during the regular summer session, and which is open to students from all states. Specialized training in debate and public speaking is offered, and students are given an opportunity to debate the National Forensic League query in advance of the regular debate season.

College Theater

The Wake Forest College Theater presents five major productions annually. One of these productions is presented during the Magnolia Festival. Any student enrolled in the College is eligible to try out for the casts or to become affiliated with the production staffs.

College Radio Station

The college radio station presents approximately thirty hours of programs every week during the school year. Programs include music, news, sports, lectures, discussions, interviews, and dramas. The station provides an opportunity for students to learn all phases of

radio production while actually participating as announcers, interviewers, directors, newscasters, sportscasters, actors, and writers.

Medals

The A. D. Ward Medal is awarded annually to the senior making the best address on commencement day.

The Lura Baker Paden Medal, established in 1922 by Dean S. Paden (B.A., 1918), is awarded annually to the senior who has obtained the highest average grade on the courses taken by him in the School of Business Administration.

The J. B. Currin Medal is awarded annually for the best oration on the general topic of *Christ in Modern Life*.

The Carolina Award is presented to the major in Biology who writes the best paper on a subject selected by the National Biology Society. Given by the Carolina Biological Supply Company of Elon College, N. C.

The Biology Research Award is presented to the major in Biology who does the best piece of original research during the year. Given by the Beta Rho Chapter of Beta Beta Beta of Wake Forest College.

The Poteat Award is presented to the student in Biology 1-2 who is adjudged the most outstanding, and plans to major in the department. Given by the Will Corporation of Georgia, and sponsored by Beta Beta Beta.

The Delta Sigma Pi Scholarship Key is presented to the graduating senior in the School of Business Administration who has earned the highest average during the

seven semesters prior to the semester in which graduation occurs.

The Alpha Kappa Psi Scholarship Key is awarded annually during the graduation exercises to the graduating senior in the School of Business Administration who has the highest average for the first three years.

The A. M. Pullen and Company Medal is presented each year during commencement to the graduating accounting major who has reached the highest achievement in accounting studies.

The North Carolina Association of Certified Public Accountants Medal is awarded each spring to the outstanding senior accounting major.

The Wall Street Journal Medal and one year's subscription to the *Journal* are received each year by the graduating senior who has been most outstanding in finance courses.

Delta Kappa Nu's Business Woman Student Award is presented annually during the graduation exercises to the most outstanding senior business woman who is seeking a B.B.A. degree or a B.A. degree in Economics or Commercial Education.

Medals and awards offered by the Department of Military Science are listed on pages 175-178.

Fraternities

The following social fraternities have been established: Alpha Sigma Phi, Delta Sigma Phi, Kappa Alpha, Kappa Sigma, Lambda Chi Alpha, Pi Kappa Alpha, Sigma Chi, Sigma Phi Epsilon, Sigma Pi, Theta Chi.

The Interfraternity Council, under the supervision

of the Faculty Committee on Student Affairs, is the governing body of the social fraternities. The Council endeavors to maintain a high standard of conduct and scholarship. The Council offers a cup to the fraternity whose members made the highest class grades. By order of the faculty, students who are on probation for any reason may not be initiated into any fraternity until the end of their probationary period.

The following professional fraternities have been established: Alpha Kappa Psi (business), Delta Sigma Pi (business), Phi Alpha Delta (law), Phi Delta Phi (law), Phi Epsilon Kappa (physical education). There is also a chapter of Alpha Phi Omega, national service fraternity.

Honor Societies

The following honor societies have been established: Alpha Epsilon Delta (pre-medicine), Beta Beta Beta (biology), Delta Kappa Alpha (ministry), Delta Phi Alpha (German), Eta Sigma Phi (classics), Gamma Sigma Epsilon (chemistry), Kappa Mu Epsilon (mathematics), Pershing Rifles (military), Phi Alpha Theta (history), Phi Sigma Iota (Romance languages), Pi Gamma Mu (social science), Rho Tau Sigma (radio), Scabbard and Blade (military), Tau Kappa Alpha (forensic), Phi Beta Kappa, Omicron Delta Kappa, and Tassels. There is also a Wake Forest College Student Section of the American Institute of Physics.

Phi Beta Kappa, an honor society founded at the College of William and Mary in 1776 and having chapters in many American colleges and universities, each year invites to membership a limited number of students who have displayed personal qualities of high character and who particularly have distinguished themselves in fields of liberal scholarship.

Omicron Delta Kappa, an intercollegiate honor society which has as its purpose the recognition and encouragement "of intelligent, democratic leadership among college men," elects semiannually on the basis of character and eminence in one or more of the following five phases of campus life: "scholarship; athletics; student government, social and religious activities; publications; and forensic, dramatic, musical and other cultural activities."

Tassels is a local honor society for women, with standards and purposes similar to those of Omicron Delta Kappa. Its membership is made up of women students who have shown qualities of scholarship, character, and leadership in some phase of college life.

Religious Program

Wake Forest College is, by heritage and by choice, a Christian College, affiliated with the Baptist State Convention of North Carolina. The College recognizes that to call itself Christian is to declare a purpose and express an ideal more than it is to claim an accomplishment. Nevertheless, it will never let its failure to achieve perfection in this ideal be any other than a challenge to intensify its effort.

Traditionally, the student body has been cosmopolitan, not only in terms of the communities and states from which the students come, but also in terms of background, outlook and religious affiliation. Wake Forest believes in individual freedom, not as a right, but as a responsibility . . . freedom to be and, more important, to become. Attendance at Wake Forest is a privilege, not a right. The College's traditions and principles, accepted by each student in his act of voluntary registration, evolve from the core of this concept of freedom

and responsibility that are indivisible. Therefore, it is presumed that the student who elects to come to Wake Forest does so with the intent of being, in fact and spirit, a cooperating member of this community.

Wake Forest attempts to maintain a wholesome Christian atmosphere in which students are given every encouragement to develop their spiritual lives to the highest possible potential. Wait Chapel, named for the first President, who led the students in prayers and devotions twice daily from the beginning of the life of the College, is the center of the campus both physically and symbolically. It is a beautiful and inspiring testimony to the place of religion in the well-balanced life. Its beautiful sanctuary is the scene for twice-weekly chapel programs which are under the direction of the Chaplain of the College, assisted by a committee of students who are selected for the task by their fellow students. These programs provide worship opportunities for students and faculty, the presentation of great ideas within the context of spiritual values and, in a very real sense, constitute one way in which the College keeps constantly before itself and its constituency its own proclamation of faith in and commitment to the Christian Gospel. While students are in no sense required to embrace the ideas and beliefs which may be presented in these Chapel programs, attendance is required of all students and their respectful and courteous attention is expected.

In keeping with a tradition dating back to 1835, there is a Baptist Church on the campus which meets in regular services each Sunday in the Chapel. This church provides all the ministries and services common to Baptist Churches and, though not officially connected with the College, offers a most cordial welcome

to faculty and students alike. In addition, every encouragement is given to students to avail themselves of the ministries and opportunities provided by the churches of Winston-Salem.

Academically, the College has a Department of Religion, full information concerning which may be found elsewhere in this catalogue. A minimum of six hours in Religion is required of all students for graduation.

The Chaplain of the College seeks to interpret the place of religion in culture and society and, particularly, the significance of Christian Education. He seeks to minister to students and faculty in all ways. In addition, he serves the College in helping to develop effective communication with its constituency. The Chaplain's office also encourages students to translate their worship into effective Christian living. A rich program of activities is offered to challenge their interests and meet their needs. These activities are developed both in terms of campus-wide emphases, such as Religion in Life Week, and in terms of group organizations and programs. Students of various faiths and denominations are organized and assisted by their own chaplains or advisers. The Chaplain seeks to coordinate these groups and encourage them both individually and collectively to promote a vital religious experience.

In short, Wake Forest College believes that because men may they must “. . . increase in wisdom and stature and in favor with God and man!” and its constantly developing efforts in the area of religion are designed to encourage and assist this growth.

Recreational Activities

Recognizing the importance of physical recreation in maintaining the well-being of students, the College

provides extensive athletic and recreational facilities and a faculty of trained supervisors to direct activities in these fields. Each student is given the opportunity to develop his individual interest and skill in physical education and recreational classes. In addition to these classes, the Department of Physical Education undertakes a broad intramural sports program consisting of tournaments and organized club activities.

In order to provide for a recreational program for all students, the College maintains athletic fields, tennis courts, and a combination athletic, physical education and recreation building which includes a swimming pool, handball and squash racquet courts, rhythm studio, arts and crafts room, recreational area, corrective rooms, a gymnastic and wrestling room, and four separate gymnasiums including a women's gym, a varsity basketball gym, and two men's intramural gyms.

The College Union

The College Union at Wake Forest College is a union of all the students. Its purpose is to coordinate, increase and develop social, recreational, and educational activities available to Wake Forest College students, both on and off campus.

Realizing that such a program would require financial support, the students have voted to assess themselves \$3.00 a student each semester to underwrite the cost of the program.

The program of the College Union can best be presented by listing its eight committees: (1) Lecture Committee, (2) Recreation Committee, (3) Small Socials Committee, (4) Major Functions Committee, (5) Publicity Committee, (6) Movies Committee, (7) Travel Committee, (8) Music and Arts Committee.

Intercollegiate Athletics

The Director of Athletics has general supervision of intercollegiate athletic activities.

The College is a member of the National Collegiate Athletic Association and the Atlantic Coast Conference. Rules and Regulations of the N.C.A.A. and of the Conference apply to all intercollegiate sports and eligibility of players.

In order to become a member or a subordinate member of any athletic team, the student must conform to the following requirements:

1. He must be a *bona fide* student.

2. In order to represent the College in any intercollegiate activity, the student must have completed without condition the minimum of twenty-four hours within the past year of residence work, including at least twelve hours with grades of "C" or better as recorded at the close of his last term.

The eligibility of all candidates accompanying the team as representatives of the College in intercollegiate contests must be certified to the Director of Athletics by the Dean of the College.

Any student may be declared ineligible at any time by the faculty or by its Executive Committee because of poor work or improper spirit.

An athletic team may not be absent from the College for a total of more than ten weekdays during any term. Freshman teams are allowed only five absences in any one term.

No student is allowed to represent the College on more than one intercollegiate team or club in any semester without special permission from the faculty or from its Executive Committee.

Automobile Regulations

Having an automobile on the campus is a privilege which must be earned rather than a right which under certain circumstances is taken away. Only after a student has demonstrated his ability to maintain an acceptable academic average is he allowed to have an automobile, and only when his over-all average is satisfactory is he allowed to retain this privilege. For administrative convenience a review of a student's status in this respect occurs only at the end of an academic year; that is, he neither loses nor acquires automobile privileges at the end of the fall term. If at the end of any academic year a student becomes entitled under these regulations to have an automobile, he may then apply to the Dean's office for this permission, using an application form which this office will provide.

During his first two semesters in college a freshman male student living in a dormitory is not allowed to have an automobile. If he makes a C average during these first two semesters, he earns the privilege of having an automobile during his sophomore year. In order to have a car during his junior year he must have an over-all C average at the end of his sophomore year. A senior may have an automobile if he has an over-all C average at the end of his junior year. (For the purposes of these regulations, the summer session is regarded as part of the preceding academic year.)

No woman student except a junior or a senior with an over-all C average and otherwise in good standing is allowed to have an automobile without receiving the permission of the Executive Committee of the faculty. These women who have cars must make arrangements for them with the Dean of Women.

A student automatically loses the privilege of having an automobile at any time that he is placed on social or conduct probation.

A student prevented by College regulations from having an automobile is not allowed to maintain or operate a motor vehicle in Forsyth County or vicinity. Storing or otherwise keeping a motor vehicle in other places in this area for occasional use is a violation of this regulation. Registering an automobile on behalf of another student who is not qualified to register a car in his own name is a violation of this regulation. Otherwise aiding or abetting in the violation of this regulation is a violation of the regulation.

A first semester freshman who arrives on the campus with an automobile must have it returned to his home before 6:00 p.m. on the day preceding the first day of classes for that semester.

Students will be required to show the state vehicle registration of the automobile to be registered and their state operator's license on registration of an automobile.

Students who violate any of these regulations will be placed on conduct probation by the Dean's office and will be subject to suspension from the College or such other penalty as the Executive Committee may prescribe. Exceptions to these regulations may be made only by written permission from the Dean's office.

See the section in the student handbook on "Parking Regulations" for instructions as to the proper registration of motor vehicles.

GENERAL INFORMATION

Classification

The requirements for classification after the freshman year are as follows:

Sophomore—the removal of all entrance conditions and the completion of not fewer than 25 hours of work toward a degree, with a minimum of 25 quality points; Junior—the completion of not fewer than 54 hours of work toward a degree, with a minimum of 54 quality points; Senior—not fewer than 95 hours of work toward a degree, with a minimum of 95 quality points.

Registration After the Freshman Year

An undergraduate student who fails to pay the \$25 reservation deposit at the required time during the spring semester shall not be eligible to register for the next fall semester.

Procedure in Registering

There are five steps in registration: (1) Securing from the Registrar's Office a permit to register and a summary of prior record; (2) the payment of fees to the Treasurer; (3) consultation with an adviser, who gives such assistance as may be necessary in regard to the program of work; (4) sectioning of classes by departmental representatives; (5) appearance before the Registrar for approval of program and assignment to classes.

No student is allowed to enter any class until he has completed his registration.

Recitations per Week: Maximum and Minimum Requirements

Sixteen credit hours a week, counting two hours of laboratory or field work as equal to one hour of reci-

tation, are the maximum normally allowed freshmen. Seventeen credit hours a week are the maximum which sophomores, juniors and seniors may normally take. A student may register for as much as nineteen credit hours per semester provided that the additional hours over the normal maximum include only hours in the following courses: a one-hour physical education course, one music ensemble course, and Military Science. Additional work over the maximum is not otherwise allowed except by permission of the Dean, and then only to students whose records are superior.

The minimum number of hours for which a student may register is twelve for the term unless he is given special permission because of exceptional conditions or because he is doing outside work to support himself in college.

Enforcement of Regulations

The enforcement of all regulations pertaining to academic matters is regarded as a function of the faculty, or representatives of the faculty. A well-organized Student Government assumes responsibility, in cooperation with the Dean of the College, for the regulations of the honor system and various other matters involving personal conduct. In general, the regulations of the College are adapted to and intended for those who have reached such maturity that they may exercise self-control. All students are expected to be faithful in work, to be prompt and regular in attendance upon all their college duties, and to refrain from practices injurious to others. Those who neglect their work, or engage in conduct that brings reproach upon themselves and upon the College, or disregard the rights and the welfare of their fellow students are required to withdraw from the College.

Absences From Classes

A student is responsible for all the work of all class and laboratory meetings of any course in which he is enrolled. Work missed because of absence may be made up only at the discretion of the instructor.

Absences are reported at the end of the semester by the instructor to the Office of the Dean. The instructor also reports during the semester to the Office of the Dean students who have already missed three consecutive class meetings, 25 per cent of the class meetings, or more classes than the instructor deems advisable. Absences are reported from the first meeting of the class, those who register late to be reported as absent from any previous class meetings which they have missed.

When any student has been absent regardless of reason in any course as many as 25 per cent of the total class periods in that course, he shall lose all credit for the course and shall be assigned a grade of F, except that if all his absences are considered by the Dean to be excused or otherwise permissible, he may be assigned a grade of WP or WF as appropriate.

Any student who demonstrates irresponsibility with regard to class attendance is subject to such disciplinary action as the Executive Committee may prescribe, including immediate suspension from college.

A student who is on academic or conduct probation is not allowed any absences from class until notified otherwise by the Office of the Dean.

For students not on probation, absence from any class at the last meeting before or the first meeting after any holiday recess shall count for freshmen two absences and for upperclassmen three absences in a class which meets twice a week and four absences in all other courses. If such absence is excused, it shall count as one absence.

Any student who has been absent from an announced quiz may, if he follows proper procedure, secure from the Office of the Dean by the next meeting of the class a statement showing the reason for the absence and a statement of whether the Office considers it an excusable reason for missing the quiz. This is for information only and does not give the student any right to make up the quiz.

Freshmen who are not on probation are allowed in each course no greater number of absences than the number of meetings in a normal week. These absences include those for participation in extracurricular activities; for such emergencies as illness in the immediate family, automobile accidents, or appearance in court; and for personal convenience. Absences in excess of this number will result in the student's being subject to probation or to suspension from the college, except that (1) additional absences because of personal illness may be allowed if the absence is excused by the Student Health Service at the time of the illness or, if the illness occurs off campus, within 24 hours after the student returns to campus, and (2) additional absences may be allowed as an official representative of the college if approved in advance by the Office of the Dean.

Nothing in these regulations is intended to change the provisions listed in the section on "Intercollegiate Athletics" on page 89.

Course Drops

The last day for dropping a class without the grade of F is listed in the College calendar on page 3 of this Catalog. A student who wishes to drop any course *before* this date must consult the Registrar and his faculty adviser. *After* this date, if he wishes to drop a course, he must consult either the Dean of the College

or the Dean of the School of Business Administration, as appropriate. If the Dean approves the request, he authorizes the student to discontinue the course. Except in the case of an emergency, the grade in the course will be recorded as F.

If, at any time, a student shall drop any course without prior, written approval of the Dean, a grade of F for that course shall be reported by the instructor to the Registrar, and the student will be subject to academic probation for the following semester or to such other penalties as the Executive Committee of the faculty may impose.

Withdrawal from College

A student who finds it necessary to withdraw from the College is required to consult the Dean of the College and arrange official withdrawal. If the withdrawal occurs before mid-term, no grades are recorded in any of the student's courses. If it takes place after mid-term the student's grade in each course is recorded as "F," unless there is an emergency, in which case it is recorded as "WP" or "WF," depending on whether the student is passing or failing the course at the time of his withdrawal. "WP" and "WF" grades do not affect the student's credit hour or quality point totals, but they will be taken into consideration in case the student should at a later date seek readmission to the College.

A student who withdraws from the College without first consulting the Dean will not be granted honorable dismissal and will be assigned grades of "F" in all his courses.

Minimum Academic Requirements; Probation

Each student enrolled in the College is expected to be aware at all times of his academic status and to be responsible for

knowing that he is on probation at any time that he fails to meet the College's minimum academic requirements as outlined in this section.

At the end of the fall term the following students will be on academic probation:

- (1) Those students who, having attempted 23 or fewer semester hours, have an over-all quality point ratio* of less than 0.5.
- (2) Those students who, having attempted no fewer than 24 and no more than 63 semester hours, have an over-all quality point ratio of less than 0.75.
- (3) Those students who, having attempted 64 or more semester hours, have an over-all quality point ratio of less than 0.9.

A student on probation under these conditions will normally be given the spring term and the first term of the summer session in order to remove himself from the probation list. (He may also attend the second term of the summer session. If he is then successful in satisfying the conditions of his probation, he may apply for readmission to the College no earlier than for the following spring term.) During the period of probation he must satisfy such requirements as may be imposed by the Executive Committee of the faculty.

On the basis of their cumulative records at the end of the first term of the summer session, the following students are academically ineligible to enroll for the fall term:

- (1) *Those students who, having attempted 47 or fewer semester hours, have an over-all quality point ratio of less than 0.5.*

*The quality point ratio is obtained by dividing the net quality points earned by the number of hours carried (whether passed or failed). See pages 105-106.

Probation

- (2) *Those students who, having attempted no fewer than 48 and no more than 87 semester hours, have an over-all quality point ratio of less than 0.75.*
- (3) *Those students who, having attempted 88 or more semester hours, have an over-all quality point ratio of less than 0.9.*

Under exceptional circumstances the Executive Committee of the faculty may continue the eligibility on probation of a student in the first category whose over-all quality point ratio is no less than 0.4, a student in the second category whose over-all quality point ratio is no less than 0.55, or a student in the third category whose over-all quality point ratio is no less than 0.75.

In the determination of the number of semester hours a student has attempted, both with respect to his probationary status and with respect to his continued eligibility, all work he has taken for credit at any college will be counted. In the determination of his quality point ratio only his record at Wake Forest College will be considered. Non-credit courses will not be counted in either instance.

The Executive Committee of the faculty may also place on probation or suspend from college at the end of any term any student whose record for that term has been unsatisfactory, particularly with regard to the number of courses passed and failed, or who has not attended class regularly or has otherwise ignored the rules and regulations of the College.

Any student who has been separated from the College for academic reasons must remain out of college for at least one semester, after which he may apply for readmission. This application for readmission must be made to the Director of Admissions and approved by the Executive Committee of the faculty. There is, how-

ever, no guarantee that the Committee's action will be favorable. On the contrary, the suspended student must accept the strong likelihood that readmission will not be granted.

Examinations and Grades

All examinations are conducted in accordance with the honor system adopted by the students and approved by the Faculty. Under this system the student is expected not only to refrain from unfairness in any form but also to report to the Student Council anyone whom he knows to be guilty of cheating. Examination papers are accompanied by a signed statement that no aid has been given or received.

In the system of grading, A represents exceptionally high achievement; B, superior achievement; C, average; D, below average; E, conditional failure; F, failure.

Grade of I

The grade of I (incomplete) may be assigned only when on account of illness or some other emergency a student does not complete the work of his course. If the work recorded as I is not completed within thirty days after the student enters for his next semester, the grade automatically becomes F.

Grade of E

A student who makes a grade of E on any course may be re-examined at any regular examination period within a year, or during the first week of the fall semester. No grade higher than D may be assigned as a result of a re-examination. A student who does not remove a conditional failure by one re-examination must repeat the course to secure credit.

Repetition of Courses

A student may not repeat for credit a course on which he has already received a grade of C or higher.

Senior Conditions

A candidate for graduation in his final semester who receives a grade of E at the close of the previous semester may apply to the Registrar for re-examination 30 days after the opening of the final semester and not less than 30 days before its close. Such examination will be regarded as a special examination and will entail a fee of \$2.50.

All conditions must be removed 30 days before the end of the last term of the student's graduation year. The name of a candidate for graduation who has a condition after that date is dropped from the roll of the class.

If a student receives a grade of E in a course in the final term of his graduation year, he is not allowed a re-examination before the next examination period.

Reports

A mid-term report is given to the student and a copy is sent to the parent or guardian of each student who is doing unsatisfactory work. At the end of each term a final report of grades and attendance is given to the student, and a copy is sent to the parent or guardian.

The Dean's List

The Dean's List will be issued at the end of each semester by the Dean of the College and the Dean of the School of Business Administration and will include all full-time students who have made a quality point ratio of 2.0 for the semester. Grades earned during a

summer session are not considered in the preparation of the List.

Graduation Distinctions

Under the quality point system, graduation distinctions are determined as follows:

A candidate for a baccalaureate degree who is credited with quality points which give him a ratio of not less than 2.80, in relation to the total semester hours attempted, shall be graduated with the distinction *summa cum laude*; not less than 2.50, *magna cum laude*; not less than 2.00, *cum laude*. The entire record of a student is considered, with the understanding that a transfer student may receive no distinction which requires a quality point ratio greater than that earned in Wake Forest College.

Transcripts of Student Records

One transcript of the record of each student in the College is issued by the Registrar without charge. For each additional transcript there is a charge of one dollar.

Summer Session Elsewhere

A student who desires to attend summer session in another college must secure the advance approval of the Registrar and the Chairman of the department concerned.

A transcript of the record is required for posting at the close of the summer session.

Center for Psychological Services

The Center provides specialized services in educational-vocational testing and counseling, and in personal adjustment counseling. These services provide evidence of the student's aptitudes, interests, and achievements

Veterans

and assist him in making the most of his opportunities for academic and personal development while in college. The Center, with offices in Efrid Hall, is staffed by professionally trained psychologists. There is no charge to the full time student for Center services.

Veterans

Applicants who need information concerning educational benefits for veterans should consult the nearest regional office of the Veterans Administration. This office for North Carolina is located at 441-449 West Peachtree Street, N.E., Atlanta 8, Georgia.

Benefits are administered under Public Law 550, 82nd Congress, and Public Law 894, 81st Congress (disabled veterans). An education and training allowance is paid monthly to the veteran, and he pays his College expenses from such allowance, the College having no financial connection with the Veterans Administration on the veteran's charges. In order to receive the fully monthly subsistence allowance, a veteran enrolled under Public Law 550 must be enrolled for at least 14 semester hours, not more than two of which may be non-credit hours.

Properly qualified veterans should obtain a Certificate of Education and Training from the Veterans Administration to present to the College at registration, as the College is required to certify, on the basis of such certificate, that the veteran is actually enrolled and in attendance.

Veterans must have commenced training by August 20, 1954, or the date three years from date of discharge, whichever is later. No training will be afforded beyond eight years after the official end of the Korean conflict

or eight years from date of discharge, whichever is the later date.

Veterans who believe they may be entitled to some credit for special service courses may consult the Registrar for advice and suggestions for procedure.

REQUIREMENTS FOR DEGREES

The degrees conferred are Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Master of Arts, Bachelor of Laws; and Doctor of Medicine, Master of Science and Doctor of Philosophy in Bowman Gray School of Medicine.

The general requirements for the Bachelor of Arts and the Bachelor of Science degrees are the same, with the following exceptions: (1) for the degree of Bachelor of Arts a student must complete a foreign language through courses numbered 211, 212, making a total of from 6 to 18 hours of languages*; (2) for the degree of Bachelor of Science a student must either complete a foreign language through courses numbers 211, 212, or take eight hours in a second natural science or six additional hours in mathematics.

The degree of Bachelor of Science is conferred only upon those students who (1) complete a major in Biology, Chemistry, Mathematics, Physical Education, Physics, or Education with State teacher's certification in Mathematics or Science; (2) complete the degree requirements in Medical Technology or Nursing; or (3) complete the requirements for the combined degree in Medical Sciences, Dentistry, Engineering, or Forestry.

The degree of Bachelor of Arts is conferred upon those students who (1) complete a major in other departments in the School of Arts and Sciences; (2) complete a major in Economics or Commercial Education in the School of Business Administration; or (3) complete the requirements for the combined degree in Law.

Each student is responsible for acquainting himself with the requirements for graduation, and for meeting the requirements as stated.

*The candidate for the combined degree in Law may substitute for Language 211, 212 eight hours in a second natural science, six additional hours in mathematics, or six hours in the principles of economics.

A student who has been graduated from Wake Forest College with the degree of Bachelor of Arts or Bachelor of Science may not thereafter receive the other of these two degrees.

Academic Requirements

For the degree of Bachelor of Arts or Bachelor of Science the student must complete (1) the basic course requirements, (2) a course of study approved by his major department, and (3) elective courses to make a total of 128 credit hours. A student applying for the combined degree must complete three-fourths of the 128 hours, plus the major in the school in which he is enrolled during the senior year.

The minimum requirement for a degree is the completion of 64 hours in Wake Forest College, including the work of the senior year. Furthermore, the quality point requirement as explained in the next paragraph must be fully met. The prescribed courses are specified chiefly for the lower division, or the first two years; in the upper division the student devotes his time chiefly to advanced work in a major subject, related courses, and electives.

At least 128 quality points must be presented for graduation, and the number of quality points must be at least equal to the number of semester hours attempted.

A student who transfers from another institution must earn in Wake Forest College at least as many quality points as semester hours attempted in Wake Forest College, and must present as many total quality points as total hours attempted in all colleges. One who has previously attended two or more colleges must earn in Wake Forest College additional quality points equivalent to the number of hours of D grade earned in other colleges attended.

Basic Course Requirements

For each hour of credit earned in any course, the grade A gives three quality points; B, two quality points; C, one quality point.

A student has the privilege of graduating under the provisions of the catalog under which he enters provided that he completes his course within six years; after the interval of six years he is expected to conform to the requirements specified for the class with which he is graduated.

Basic Course Requirements

All students in Wake Forest College are enrolled in the School of Arts and Sciences during their freshman and sophomore years. A student is not admitted as a candidate for a degree in any college or school except the School of Arts and Sciences until the end of his sophomore year and the completion of the entrance requirements of the college or school to which application is made.

All students enrolled in the College must take certain required basic courses. These requirements apply uniformly to all undergraduate degrees and all combined degrees, except as otherwise noted.

These basic course requirements are as follows:

English 111, 112, 151, 152 (12 hours)

Language:

0 to 12 hours, depending on the number of high school language units submitted by the student.

French 111, 112, 151, 152

German 111, 112, 151, 152

Greek 111, 112

Latin 111, 112, 151, 152

Russian 111, 112, 151, 152 (for B.S. degree only)

Spanish 111, 112, 151, 152

(In determining the level of language study which a beginning student should enter, one unit of high school language is considered the equivalent of a one semester course of college

language. Thus, a student continuing in college a language begun in high school would normally enter: course 112, if he has had one high school unit; course 151, if he has had two high school units; course 152, if he has had three high school units, and course 211, if he has had four high school units.

(A student who finds it necessary to repeat in college the equivalent of any *modern* foreign language taken in high school receives *no college credit* for the course repeated.)

(An entering student who offers high school units in a *classical* language and who wishes to continue this language in college will be given a placement test, the results of which will be used by the department to determine his placement for credit in college.)

(Since an entering student is expected to present two high school units in foreign language, he is required to take one college year of foreign language *without credit* if he fails to present those high school units.)

(An entering student who offers two high school units in one foreign language may commence a second foreign language *with credit*.)

(An entering student who offers four high school units in one foreign language has completed the language requirement except for the B.A. degree.)

(A student applying for the degree of Bachelor of Business Administration may complete the language requirement beyond 111, 112, by either Language 151, 152, or Speech 151 and Mathematics 162.)

(A student who plans graduate study or medical study should consult his adviser about additional foreign language study in his undergraduate program.)

Religion (6 hours) selected from the following: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.

Philosophy 211 (3 hours)

History 111, 112 (6 hours)

Social Science, one of the following three:

*Business Administration 213, 214 (6 hours)

**Political Science 151, 152 or 153, 154 (6 hours)

Sociology 151 (3 hours) and 3 hours selected from courses numbered from 225 to 259, except courses 248 and 249.

Natural Science, one of the following three:

Biology 111, 112 (8 hours)

Chemistry 111, 112 (8 hours)

Physics 111, 112 (8 hours)

*Except for students taking B.B.A.

**Political Science 153, 154 may not be elected by those students whose major department requires (or recommends) Political Science 151, 152 as the basic course in the social sciences.

Basic Course Requirements

Mathematics 102 or 105 (3 hours)

(A student who anticipates a degree or major requiring additional mathematics should continue mathematics through the freshman year.)

Physical Education (2 hours)

One of the following, as determined by the requirements for the specific degrees:

Language 211, 212 (6 hours) *

A second natural science from among those listed above (8 hours)

Additional mathematics (6 hours)

Business Administration 213, 214 (6 hours)

(The candidate for the degree of Bachelor of Arts must meet this requirement by Language 211, 212. The candidate for the degree of Bachelor of Science may select the language or the science or the mathematics, as recommended by his major adviser. The candidate for the combined degree in Law may select any of the listed alternatives. The candidate for the degree of Bachelor of Business Administration must meet the requirement by Business Administration 213, 214.)

The basic course requirements are to be completed, where possible, by the end of the sophomore year. Some students will find it necessary to postpone some of the basic courses until the junior year in order to make room for certain courses necessary to the work in the major field; but a minimum of twelve hours from among the basic courses must appear on every student's program each semester until these courses are completed, except that after the freshman year a minimum of nine hours each semester may be considered sufficient if other courses necessary to work in the major field must be taken.

No student, except by a specific vote of the College faculty in regular session, may set aside, or substitute another course or other courses for, any of the basic course requirements.

For further details about course requirements for the degree of Bachelor of Business Administration, consult

* With the permission of the German Department, German 261, 262 may be substituted for German 211, 212.

the section of the catalog dealing with the School of Business Administration.

Admission to the Upper Division

The work in the lower division, as specified in the preceding pages of this section, is intended to give the student an introduction to the various fields of knowledge and to lay the foundation for concentration in a major subject and related fields during the junior and senior years.

Before applying for admission to the upper division and beginning work on the major subject, a student should have 64 credit hours and 64 quality points in the lower division. In no case will a student be admitted to the upper division with fewer than 54 hours of credit and 54 quality points.

All students at the end of the sophomore year or at the beginning of the junior year are required to pass a proficiency test in the use of the English language.

Course of Study for the Upper Division

Thirty days before the end of his sophomore year each student is required to indicate to the Registrar and to the department or school concerned his selection of a major subject in which he wishes to concentrate during his junior and senior years. Before this selection is formally approved by the Registrar, however, the student must present to him a written statement from the authorized representative of the department or school in which he wishes to major that he has received the permission of that department or school. The student will also at this time be assigned a specific adviser from the department or school to assist him in planning his work for the junior and senior years.

Majors

A department which rejects a student as a major will file with the Dean of the College a written statement including the reason(s) for the rejection.

After the beginning of the junior year a student may not change from one major to another without the approval of the departments concerned.

The student's course of study for the junior and senior years includes the minimum requirements for the departmental major (see the table below), together with such other courses as he shall select and his adviser shall approve—the latter courses to be sufficiently related to the student's major to justify their inclusion in his program. This course of study must include a minimum of 42 hours in the student's field of concentration (that is, his major and related courses) beyond the basic course requirements as outlined on pages 106-109.

Students preparing for the ministry are advised to elect twelve additional hours in religion beyond the six hours included in the basic requirements.

The following list indicates the number of hours required in the departmental majors:

<i>Department</i>	<i>Major</i>
Biology	32
Chemistry	39
*Economics	30
Education	18
English	30
French	30
German	30
Greek	30
History	30
Latin	30
Mathematics	33
Music	36
Philosophy	24
Physical Education	35
Physics	33

*Students in the School of Arts and Sciences who wish to major in Economics must apply to the Dean of the School of Business Administration for approval of the major.

<i>Department</i>	<i>Major</i>
Political Science.....	30
Psychology.....	30
Religion.....	30
Religious Education.....	30
Sociology.....	30
Spanish.....	30
Speech.....	30

At least half of the major must be completed in Wake Forest College.

Beyond the basic course requirements and the approved course of study in his field of concentration, the student will elect other courses up to a minimum of 128 hours.

Not more than 40 hours of the 128 hours required for graduation may be taken in a single field of study. For the purposes of this regulation, the following fields of study are recognized: Biology, Chemistry, Economics, Education, English, French, German, Greek, History, Latin, Mathematics, Music, Philosophy, Physical Education, Physics, Political Science, Psychology, Religion, Sociology, Spanish, Speech.

Senior Testing Program

All seniors are required to participate in a testing program designed to provide objective evidence of educational development while in college. The program employs selected portions of the Graduate Record Examination to assess the student's proficiency in the broad areas of the arts and sciences (humanities, social sciences, natural sciences) as well as his competence in his major field. These tests are given in the late spring and results are made available to the student for his information. (This program does not supplant the regular administrations of the Graduate Record Examination for those student applying for admission to graduate schools.)

Bachelor of Business Administration

For the requirements for this degree and the suggested course sequences, see page 237.

Degrees in the School of Law

A combined course makes it possible for a student in Wake Forest College to receive the two degrees of Bachelor of Arts and Bachelor of Laws in six academic years or their equivalent instead of seven years which are required if the two curricula are pursued independently. The first three years of the combined course are in the School of Arts and Sciences and the last three are in the School of Law.

Under this plan the student must first complete three years (96 semester hours) of academic work as follows:

English 111, 112, 151, 152 (12 hours)

Language 111, 112, 151, 152 (0-12 hours) [see page 106]

Religion (6 hours) [see page 107]

History 111, 112 (6 hours)

Mathematics 102 or 105 (3 hours)

Science, one of the following:

Biology 111, 112 (8 hours)

Chemistry 111, 112 (8 hours)

Physics 111, 112 (8 hours)

Philosophy 211 (3 hours)

Business Administration 213, 214 or Political Science or Sociology (6 hours) [see page 107]

Physical Education (2 hours)

One of the following:

Language 211, 212 (6 hours)

A second natural science (8 hours)

Business Administration 213, 214 (6 hours)

Additional mathematics (6 hours)

Electives (to make a total of 96 hours)

The requirement of a major subject for the academic degree is considered as satisfied by one year (29 semester hours) of Law. The details of the plan are as follows:

On the completion of 96 semester hours of academic

work in the School of Arts and Sciences, as above specified, with a minimum average grade of C (or one quality point for each semester hour undertaken), the student may be admitted to the School of Law. (Non-theory courses in military science, hygiene, domestic arts, physical education, vocal or instrumental music, practice teaching, teaching methods and techniques and similar courses are not acceptable under the above rule. "Required" non-theory work is acceptable up to ten per cent of the total credit offered for admission.) Upon satisfactory completion of the first full year (29 semester hours) of Law, with a cumulative weighted average sufficient for him to remain in the School of Law, the student will be awarded the Bachelor of Arts degree.

The Bachelor of Laws degree will be awarded the student upon the completion of two additional years in the School of Law and upon fulfillment of the requirements for that degree as described on page 259.

At least one year of the required academic work must be taken at Wake Forest College. A student who transfers from another institution at the end of his first or second year must maintain a minimum average grade of C on all academic work undertaken during his residence at Wake Forest College. In addition, students pursuing the combined course plan must take the Law School Admission Test and satisfy all requirements specified for other applicants for admission to the Law School.

Degrees in Medical Sciences

A limited number of students, by taking advantage of the special arrangement explained here, may receive the B.S. degree with a major in Medical Sciences.

Under this plan the student fulfills the requirements for the degree by completing three years of work in the

School of Arts and Sciences with a minimum average grade of C, and by satisfactorily completing the first full year of Medicine (at least 30 semester hours) as outlined by the faculty of the Bowman Gray School of Medicine, with a record entitling him to promotion to the Second Year Class. At least one year (32 semester hours) of the required academic work must be completed in Wake Forest College.

Candidates for the B.S. degree with a major in Medical Sciences must complete the following courses in the School of Arts and Sciences before entering the School of Medicine for their fourth year of work:*

Biology 111, 112 (8 hours)

Biology (8 hours) selected from the following: 220, 221, 226, 260, 272, 312, 350.

Chemistry 111, 114 (8 hours)

Chemistry 131 (4 hours)

Chemistry 221 (4 hours)

English 111, 112, 151, 152 (12 hours)

Language, one of the following: French, German, Latin, Russian, Spanish, through 151, 152; or Greek 111, 112. See page 106.

Mathematics 105, 106 (6 hours)

Physics 111, 112 (8 hours)

Philosophy 211 (3 hours)

Religion (6 hours) selected from the following: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.

History 111, 112 (6 hours)

Business Administration 213, 214 or Political Science or Sociology (6 hours). See page 107.

Physical Education (2 hours)

Electives (to make a total of 96 hours)

The completion of the prescribed academic subjects does not necessarily admit any student to the School of Medicine. About fifty are chosen from a large number of applicants. All other factors being equal, applicants who have done all their college work in Wake Forest College are given preference.

*Pages 263-64 and the special bulletin of the Bowman Gray School of Medicine for further information.

Degree in Medical Technology

Students may qualify for the Bachelor of Science degree in Medical Technology by completion of the academic requirements outlined below with a minimum average grade of C, and by satisfactory completion of the full course in Medical Technology in the Bowman Gray School of Medicine with a minimum weighted average of 80. A least one year (32 semester hours) of the required academic work must be completed in Wake Forest College. Candidates for the degree must complete the following three-year course before beginning study in the School of Medicine:*

Biology 111, 112 (8 hours)
 Biology 221 (4 hours)
 Biology 226 (4 hours)
 Biology 297 (2 hours)
 Biology 312 (4 hours)
 Chemistry 111, 114 (8 hours)
 Chemistry 131 (4 hours)
 Chemistry 221 or 124 (4 hours)
 English 111, 112, 151, 152 (12 hours)
 Language, one of the following: French, German, Latin, Russian, Spanish through 151, 152; or Greek 111, 112. See page 106.
 Mathematics 105, 106 (6 hours)
 Physics 111, 112 (8 hours)
 Philosophy 211 (3 hours)
 Religion (6 hours) selected from the following: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.
 History 111, 112 (6 hours)
 Business Administration 213, 214 or Political Science or Sociology (6 hours). See page 107.
 Physical Education (2 hours)
 Electives (to make a total of 96 hours)

Degree in Nursing

Students may qualify for the Bachelor of Science degree in Nursing by meeting the academic requirements outlined below and completing the work lead-

*For admission information, see the special bulletin of Bowman Gray School of Medicine.

ing to a Diploma in Nursing from an approved hospital or school of nursing. The usual qualitative requirements must be met for this degree. At least two years (64 semester hours) of the required academic work must be completed in Wake Forest College. If the candidate is to attend North Carolina Baptist Hospital, the required residence in the College may be reduced to one year. Candidates for the degree must complete the following three-year course before entering the School of Nursing:

- Biology 111, 112 (8 hours)
- Biology 260 (4 hours)
- Biology 297 (2 hours)
- Chemistry 111, 114 (8 hours)
- Chemistry 221 or 124 (4 hours)
- English 111, 112, 151, 152 (12 hours)
- Language, one of the following: French, German, Latin, Russian, Spanish through 111, 112; or Greek 111, 112. See page 106.
- Mathematics 102 or 105 (3 hours)
- Philosophy 211 (3 hours)
- Religion (6 hours) selected from the following: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.
- History 111, 112 (6 hours)
- Business Administration 213, 214 or Political Science or Sociology (6 hours). See page 107.
- Physical Education (2 hours)
- Electives (to make a total of 96 hours)
- (Suggested electives: English, Psychology, Social Sciences)

Degree With Major in Dentistry

A student may fulfill the requirements for a B.S. degree with a major in Dentistry by completing three years of work in the College of Liberal Arts with a minimum average grade of C, and by satisfactorily completing the first two years of work in one of certain approved dental schools designated by Wake Forest College, with a record entitling him to advancement to the Third Year Class.

For this degree the requirements in the College of

Liberal Arts are the same as outlined above for the B.S. degree with a major in Medical Sciences.

Degrees in Engineering

The 3-2 Engineering Program

Wake Forest College now cooperates with Duke University and North Carolina State College in offering a broad course of study in the arts and sciences combined with specialized training in engineering.

This program, for outstanding students, covers five years of study including three initial years on the campus of Wake Forest College and two full years of technical training at one of the schools of engineering. Depending upon the school and field of engineering chosen, it may be necessary for a student to take an additional summer's work in engineering.

Upon successful completion of the five years of study the student will receive the degree of Bachelor of Science from Wake Forest College and the degree of Bachelor of Science in one of the specialized engineering fields from the engineering school of his choice.

By obtaining the first degree from Wake Forest College and the second from an engineering college, the graduate will be well suited for positions of higher responsibility where public relations and technical knowledge are combined. This combination plan is recognized by nationally known educators as a wise program in allowing the student a broad background in the liberal arts in addition to the specialized and technical training involved in the engineering degree.

The curriculum for the first three years must include all the basic course requirements for the Bachelor of Science degree, as outlined on pages 106-109 of this catalog. A suggested program follows:

Engineering

Freshman Year		Hours	
English 111, 112.....	3	3	
Chemistry 111, 114.....	4	4	
Mathematics 105, 106.....	3	3	
Foreign Language 151, 152.....	3	3	
*Religion.....	3	3	
Physical Education 111, 112.....	1	1	
	—	—	
	17	17	
ROTC if elected.....	1	1	
	—	—	
	18	18	
Sophomore Year		Hours	
English 151, 152.....	3	3	
History 111, 112.....	3	3	
Physics 111, 112.....	4	4	
Mathematics 111 or Elective.....	3		
Humanities Elective.....		3	
Mathematics 112, 113.....	3	3	
	—	—	
	16	16	
ROTC if elected.....	2	2	
	—	—	
	18	18	
Junior Year		Hours	
Mathematics 172, 176.....	2	2	
Physics 151, 152.....	3	3	
Mathematics 251, 311.....	3	3	
Philosophy 211.....	3		
Humanities Elective.....		3	
Science Elective.....	4	4	
Business Administration 213, 214 or Political Science 151, 152, or Sociology.....	3	3	
	—	—	
	18	18	

This is a rigorous curriculum and demands students with an aptitude for science and mathematics. The electives will be chosen in consultation with the engineering adviser in the Department of Physics.

See page 173 for procedure involved in transferring

*See page 107.

ROTC credits to Duke University or N. C. State College.

Degrees in Forestry

Wake Forest College now cooperates with Duke University in an academic forestry training program. A student in this program devotes three years to study in the arts and sciences at Wake Forest College. (At least two years (64 semester hours) must be completed in Wake Forest College.) He spends the summer between his junior and senior years and the two following years in the Duke University School of Forestry. Upon the successful completion of this five-year course of study he receives the degree of Bachelor of Science from Wake Forest College and the degree of Master of Forestry from the Duke School of Forestry.

A student who wishes to qualify for this program must make formal application for admission to the Duke School of Forestry not later than the end of the first semester of his third year in college. To qualify for admission he must have followed a planned course of study as outlined below, must have the official recommendation of Wake Forest College, and must have an over-all quality point ratio of at least 1.5.

Candidates for the degrees in forestry must complete the following three-year course before beginning study in the Duke School of Forestry:

Biology 111, 112 (8 hours)

Biology 227, 228 (8 hours)

Business Administration 213, 214 (6 hours)

Chemistry 111, 114 (8 hours)

English 111, 112, 151, 152 (12 hours)

Language, one of the following: French, German, Latin, Russian, Spanish through 151, 152; or Greek 111, 112. See page 106.

Mathematics 105 (3 hours) and three additional hours as recommended by the Department of Mathematics

Physics 111, 112 (8 hours)

Philosophy 211 (3 hours)

Forestry

Religion (6 hours) selected from the following: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.

History 111, 112 (6 hours)

Physical Education (2 hours)

Electives (to make a total of 96 hours)

(Suggested electives: Biology, Chemistry, Logic, Mathematics, Speech)

Students in this program will be advised in the Department of Biology.

See page 173 for procedure involved in transferring ROTC credits to Duke University.

COURSES IN ARTS AND SCIENCES

Divisions

The numbers of the courses offered by the various departments are explained as follows: courses 1-99 carry no credit; courses 101-199 are primarily for freshmen and sophomores; courses 201-299, primarily for juniors and seniors; courses 301-399, for juniors, seniors, and graduate students; and courses 401-499, for graduate students. The letter S used as a prefix to a course number indicates that the course is offered during the summer session only.

Before admission to the upper division, a student must have credit for at least 54 hours in the lower division, with a minimum of 54 quality points.

Credit Hours Defined

All credit hours are based upon the semester, or half of an academic year of nine months. In the departments which follow, in alphabetical order, the credit hours for each course are the same as the number of class periods per week unless otherwise specified.

Both in the summer term and in the fall and spring terms, the credit for any course is the same, generally three hours based on 48 class periods, or the equivalent in laboratory work.

Explanation of the Schedule

In this number of the BULLETIN OF WAKE FOREST COLLEGE the schedule of classes is announced for the fall and spring terms only; the schedule of classes for the summer term is given in the special bulletin. The numbers following the days of the week indicate the periods during which the classes are offered.

Honors Program

Courses with odd numbers are regularly given in the fall term; courses with even numbers, in the spring term. However, introductory or basic courses in many departments will be offered every term so that students may arrange their work in regular sequence, according to the time of entrance. Accordingly, revised schedules will be prepared each term, supplementing the schedule given here.

Interdisciplinary Honors Program

In September, 1961, Wake Forest College initiated an interdisciplinary Honors program for a selected number of highly qualified students. Participation is by invitation only. Courses are scheduled so that an honors student can elect a course each semester if he chooses. Students who complete with a superior record the course requirements (at least 12 semester hours, including 6 hours in the Lower Division and 6 hours in the Upper Division) and fulfill other specified requirements (including an over-all quality point ratio of at least 2.0 in all college work, the writing of a special paper, and an oral examination on this paper) will be graduated "with Honors in the Arts and Sciences."

The courses described below are designed to supplement the usual general education of the freshman and sophomore years and the more specialized work of the junior and senior years.

The Honors program is supervised by a Faculty Committee on Honors. Courses in the program are taught by faculty members from various academic departments of the College.

Honors 131, 132. *Approaches to Human Experience* (I)

An inquiry into the nature and interrelationships of several approaches to man's experience, represented by the work of such men

as Leonardo da Vinci, St. Augustine, Dante, Newton, Gandhi, Mozart, Jefferson, and Einstein. Seminar discussion based on primary and secondary sources, including musical works and paintings. Written reports and a term paper required.

(Offered 1963-64 and alternate years.) 3 hours credit each semester

Honors 133, 134. *Approaches to Human Experience* (II)

A parallel course to Honors 131, 132, concentrating on the work of a different set of figures such as Buddha, Galileo, Tolstoy, Pascal, Sophocles, and Bach.

(Offered 1964-65 and alternate years.) 3 hours credit each semester

Honors 233. *Darwinism and the Modern World*

A study of the Darwinian theory of evolution and the impact of evolutionary thought on fields such as economics, politics, psychology, literature and the other arts, and philosophy.

(Offered 1964-65 and alternate years.) Credit, 3 hours

Honors 235. *The Ideal Society*

Man's effort to establish or imagine the ideal community, state or society, principles of political and social organization, changing goals and values. Study of historical communities such as those of the pre-Christian Essenes, Geneva under John Calvin, Fourierite and Owenite communities of the 19th century. Reading in such works as Plato's *Republic*, Augustine's *The City of God*, More's *Utopia*, Bacon's *The New Atlantis*, Rousseau's *Emile*, Orwell's *1984*, and Skinner's *Walden Two*.

(Offered 1963-64 and alternate years) Credit, 3 hours

Honors 238. *Romanticism*

Romanticism as a recurrent characteristic of mind and art and as a specific historical movement in Europe and America in the late 18th and 19th centuries. Emphasis upon primary materials in such fields as philosophy, history, literature, music and painting.

(Offered 1964-65 and alternate years.) Credit, 3 hours

Honors 242. *The Comic View*

The theory of comedy in ancient and modern times; the expression of the comic spirit in literature, art, music, the theater and the motion picture.

(Offered 1963-64 and alternate years) Credit, 3 hours

Departmental Honors Programs

A number of departments in the College offer specialized honors programs for highly qualified majors, who may be graduated "with distinction" in their major field. Information on these programs is given under the departmental headings below.

Biology

PROFESSORS COCKE, ALLEN, BRITT, SEARS

ASSOCIATE PROFESSORS DAVIS, JOHNSTON, WYATT

ASSISTANT PROFESSORS AMEN, DIMMICK, HIGGINS,

MCDONALD, OLIVE, SULLIVAN

A major in Biology consists of 32 hours which must include Biology 111 and 112; 8 hours selected from Biology 226, 297, 312, 314, 319, 340, 344, 350, 390; 8 hours selected from Biology 150, 154, 220, 221, 260, 272, 320, 333, 334, and 8 hours selected from Biology 227, 228, 338, 345, 355. A student must achieve an overall average of *C* on all Biology courses attempted to graduate with a major in Biology.

Required related courses for the major are: one year of Physics, one year of general Chemistry and either Chemistry 124 or 221. The Physics requirement may be waived in the case of Biology majors who meet the requirements for a Grade A teaching certificate.

Highly qualified Biology majors are considered by the Department for admission to the honors program in Biology. They must meet certain preliminary requirements, earn a QPR of not less than 2.0 on all college work and 2.3 on all work in Biology, complete a satisfactory research project in Biology and pass a comprehensive

oral examination. They are then graduated with the designation of "distinction in Biology." For additional information consult members of the Biology staff.

Biology 111 and 112 are prerequisite to all other Biology courses except 150 and 154.

111, 112. *General Biology*

An introductory course, in which the fundamental facts of the structure and activity of plants and animals are stressed. The laboratory work will provide examples of important biological principles and organisms. Three hours lecture, three hours laboratory. Biology 111 prerequisite to Biology 112. *Credit, 4 hours each semester*

150. *Anatomy and Physiology*

Lectures and readings in human anatomy and physiology. Not open to students who have completed a course in comparative chordate anatomy. Three hours lecture.

Credit, 3 hours

154. *Hygiene*

Lecture and readings in hygiene, personal and community, together with a study of infectious diseases. Two hours lecture.

Credit, 2 hours

220. *Comparative Chordate Anatomy*

A comparative study of the anatomy of chordate animals. Dissection of type forms in the laboratory. Two hours lecture, four hours laboratory.

Credit, 4 hours

221. *Animal Parasitology*

A survey of protozoan, helminth, and arthropod parasites from the standpoint of morphology, taxonomy, life-histories, and host-parasite relationships. The laboratory will include a detailed study of representative types and techniques for collecting, preserving, and preparing animal parasites for study and identification. Two hours lecture, four hours laboratory.

Credit, 4 hours

226. *Microbiology*

A study of the more important groups of microorganisms; bacteria, yeasts, molds, viruses, et cetera. Major emphasis will be placed on the bacteria and their activities. Two hours lecture, four hours laboratory.

Credit, 4 hours

Biology

227. *Survey of Non-vascular Plants*

Representative species of non-vascular plants (algae, fungi, mosses and others) will be examined with emphasis on morphology and phylogeny. Two hours lecture, four hours laboratory.

Credit, 4 hours

228. *Survey of Vascular Plants*

A comparative survey of the vascular plants with emphasis on the structure, reproduction, and classification of selected types to portray the evolutionary development of the group. Two hours lecture, four hours laboratory.

Credit, 4 hours

260. *Embryology*

A study of vertebrate embryological development. Two hours lecture, four hours laboratory.

Credit, 4 hours

272. *Histology*

A comparative study of the microscopic anatomy of vertebrates. Two hours lecture, four hours laboratory.

Credit, 4 hours

291. *Education—Teaching of Science*

Credit, 3 hours

297. *Microtechnique*

A course designed to introduce the student to histological and cytological methods in the preparation of animal and plant materials for microscopical study. Four hours laboratory.

Credit, 2 hours

301. *Principles of Modern Botany*

A course for secondary school teachers designed to illustrate selected biological principles. A survey of the plant kingdom with emphasis on taxonomy and phylogeny will be followed by a consideration of important physiological principles. Laboratory exercises and field work will be designed to be helpful to secondary school teachers in organizing their own laboratories. Not for credit toward a M.A. in Biology. Not offered in 1963-64.

Credit, 3 hours

302. *Principles of Modern Zoology*

A course for secondary school teachers designed to illustrate important biological principles. Lectures will include a survey of the animal kingdom followed by a review of the basic principles of animal reproduction, genetics, ecology, and evolution. Laboratory exercises and field work will be designed to be helpful to high school teachers in organizing and directing laboratory exercises in their own schools.

Techniques for preparing laboratory specimens and demonstration materials will be considered. Not for credit toward a M.A. in Biology. Not offered in 1963-64. *Credit, 3 hours*

312. *Genetics*

A study of the principles of inheritance and their applications to plants and animals. Three hours lecture, two hours laboratory.

Credit, 4 hours

314. *Principles of Evolution*

Analysis of the theories, evidences, and mechanisms of evolution. Three hours lecture. *Credit, 3 hours*

319. *History of Biological Sciences*

A survey of the historical background and development of the biological sciences together with a biographical study of the outstanding biologists and physicians. Three hours lecture. Alternate years. *Credit, 3 hours*

320. *Invertebrate Zoology*

A detailed study of invertebrate animals, exclusive of insects, from the standpoint of taxonomy, morphology, physiology, and phylogenetic relationships. Two hours lecture, four hours laboratory. Not offered in 1963-64 *Credit, 4 hours*

333. *Vertebrate Natural History*

A detailed study of the natural history, distribution, identification, classification and adaptations of the major vertebrate animals. Collection and preserving techniques in the field will be stressed. Two hours lecture, four hours laboratory. *Credit, 4 hours*

334. *Entomology*

A study of insects from the standpoint of structure, development, taxonomy, and phylogenetic relationships. Economic aspects will be included. Two hours lecture, four hours laboratory.

Credit, 4 hours

338. *Taxonomy of Seed Plants*

A study of the classification of seed plants, with emphasis on a comparative study of orders and families. Collection, identification, and preparation of herbarium specimens will be stressed. Two hours lecture, four hours laboratory. *Credit, 4 hours*

340. *Principles of Ecology*

A synthesizing course intended to acquaint the student with the inter-relationships between the organism and the environment. Fundamental ecological aspects of individual organisms, populations, and communities will be stressed. Two hours lecture, four hours laboratory. Not offered in 1963-64

Credit, 4 hours

341. *The Ecology of Man*

The nature and fitness of Man's environment; his requirements, general and special; the phenomenon of culture and its role as an ecological factor. This course may count as Biology or Sociology, but not both. At the time of registration the student must determine in which field credit is desired. Three hours lecture. Not offered in 1963-64.

Credit, 3 hours

344. *Hydrobiology*

An introduction to the fresh-water environment; a study of lakes, ponds, and streams, their origin, development, physical and chemical characteristics, and their biological communities. Prerequisite one year of chemistry, permission of the instructor. Two hours lecture, four hours laboratory. Not offered in 1963-64.

Credit, 4 hours

345. *Plant Ecology*

A study of plant communities and the interrelationships of the organisms therein as they are affected by the physical factors of the environment. Two hours lecture, four hours laboratory.

Credit, 4 hours

350. *General Physiology*

Comparative study of physiological systems in different organisms approached through a study of cells and tissues. Prerequisite two years of biology and one year of chemistry. Organic chemistry is recommended. Two hours lecture, four hours laboratory.

Credit, 4 hours

355. *Plant Physiology*

Fundamental physical and chemical phenomena of higher plants. Prerequisite, one year of chemistry.

Credit, 4 hours

390. *Preparation of a Biological Manuscript*

A course designed to acquaint the student with current literature by gathering material and preparing a scientific manuscript. Two hours conference.

Credit, 1 hour

Courses for Graduate Students

421. *Helminth Parasitology*

Basic treatment of the morphology, physiology, life cycles, environmental relation, and systematics of helminth parasites. Two hours lecture, four hours laboratory. Alternate years. *Credit, 4 hours*

425. *Plant Anatomy*

A study of comparative anatomy of the vascular plants based primarily on a phylogenetic approach, with an introduction to anatomical microtechniques. Two hours lecture, four hours laboratory.

Credit, 4 hours

426. *Mycology*

Taxonomy, porphology, and physiology of the fungi. Two hours lecture, four hours laboratory. Not offered in 1963-64. *Credit, 4 hours*

427a, 427b. *Phycology (Algology)*

Morphology, taxonomy, reproduction, development, and phylogeny of the algae. One hour lecture and two hours laboratory. Continues for two semesters. Not offered in 1963-64 *Credit, 2 hours, each semester*

431. *Advanced Invertebrate Zoology*

A study of selected free living invertebrates with emphasis on their natural history and physiology. The laboratory will emphasize the use of selected invertebrates for investigation of basic biological processes. Two hours lecture, four hours laboratory. Not offered in 1963-64. *Credit, 4 hours*

433. *Advanced Vertebrate Zoology—Ornithology*

A study of migration, speciation, reproductive and corporeal physiology, and systematics of birds. Two hours lecture, four hours laboratory. *Credit, 4 hours*

434. *Advanced Vertebrate Zoology—Mammalogy*

A detailed study of the classification, population dynamics, reproductive physiology, and adaptations of mammals. Field and laboratory techniques will be employed. Two hours lecture, four hours laboratory. Not offered in 1963-64 *Credit, 4 hours*

438. *Dendrology*

Identification, classification and anatomy of native trees and shrubs of North Carolina. Both summer and winter characteristics will be

Biology

considered. One hour lecture, two hours laboratory. Continues through two semesters. *Credit, 4 hours*

450. *Cellular Physiology*

Cellular dynamics as related to animals, plants, and microorganisms involving electrical phenomena of membranes, active transport, enzyme systems, and organelle interactions. Two hours lecture, four hours laboratory. *Credit, 4 hours*

460. *Experimental Embryology*

A study of the principles underlying the organization and development of the animal embryo. Two hours lecture, four hours laboratory. Alternate years. *Credit, 4 hours*

Seminar Courses

One or more seminar courses from the following list will be offered each semester. Schedule to be arranged, usually in the evenings from 7:00 to 9:00 or on Saturday mornings, to meet the needs of interested students.

481. *Seminar in Microbiology*

482. *Seminar in Invertebrate Zoology*

483. *Seminar in Biosystematics*

484. *Seminar in Ecology*

485. *Seminar in Physiology*

486. *Seminar in Developmental Biology*

487. *Seminar in Cellular Biology.*

488. *Seminar in Evolution and Speciation.*

489. *Seminar in History of Science.*

490. *Seminar in Biogeography*

Thesis

491. *Thesis research, credit, 3 hours*

492. *Thesis research, credit, 3 hours*

Chemistry

PROFESSORS BLACK, FURMAN, MILLER, NOWELL

ASSOCIATE PROFESSORS BLALOCK, GROSS, P. J.

HAMRICK, ISBELL

In addition to the basic courses prescribed by the College, a student desiring to receive the B.S. degree with major in Chemistry is required to take the following courses: Chemistry 111-114, 221-222, 332, 361, 341-342, and one course from Chemistry 323, 324, 331; Physics 111-112, Mathematics 112, 113. An average of C in the first two years of Chemistry is required of students who elect to major in this Department. Admission to any class is conditioned by satisfactory grades in prerequisite courses and registration for advanced classes must be approved by the Department.

Wake Forest College is on the list of schools approved by the American Chemical Society. Students who receive the Bachelor's Degree and are certified by the chairman of the department as having fulfilled the minimum requirements for professional training as adopted by the Society are eligible for membership senior grade in the Society, within two years following graduation and after two years experience in the field of chemistry. Students who desire a specific statement of the minimum requirements of the Society should consult with the staff member who serves as major adviser for students majoring in chemistry.

The following schedule is recommended for students who desire to major in Chemistry: (By following this schedule and the advice of the major adviser a student can meet the minimum requirements of the American Chemical Society.)

Chemistry

FRESHMAN YEAR *

Chemistry 111, 114
English 111, 112
German, 111, 112
**History 111, 112
Mathematics 105, 111
Physical Education 111, 112

SOPHOMORE YEAR *

Chemistry 221, 222
English 151, 152
German 151, 152
Mathematics 112, 113
Physics 111, 112

JUNIOR YEAR *

Chemistry 341-342
Chemistry 332
Philosophy 211
Political Science, Sociology
or Business Administration,
6 hours
Religion, 6 hours
***Electives, 3 hours

SENIOR YEAR *

Chemistry 361
Chemistry, 4 hours
***Electives, 21 hours

111. *General Chemistry*

An introductory course emphasizing fundamental chemical principles. Three hours lecture, four hours laboratory. *Credit, 4 hours*

112. *General Chemistry*

A continuation of Chemistry 111 with emphasis on the descriptive chemistry of inorganic substances. Prerequisite: Chemistry 111. Three hours lecture, two hours laboratory. *Credit, 4 hours*

113. *Qualitative Analysis*

A course covering the principles and techniques of separation and systematic identification of the inorganic cations and anions. Open only to students presenting a year of general chemistry without qualitative analysis. Prerequisite: Chemistry 111, 112. Two hours lecture, three hours laboratory. *Credit, 3 hours*

114. *General Chemistry and Qualitative Analysis*

A continuation of Chemistry 111 with emphasis on the study of equilibrium and inorganic chemistry. Approximately two-thirds of the laboratory work is devoted to the principles and techniques of systematic separation and identification of the inorganic cations

*Military Science may be taken in addition to the courses listed.

**The premedical student should schedule Biology.

***Chosen on the advice of the major adviser.

and anions. Prerequisite: Chemistry 111, Three hours lecture, four hours laboratory. *Credit, 4 hours*

124. *Organic Chemistry*

A study of the chemistry of the aliphatic and aromatic compounds for students whose program demands only one semester of organic chemistry. Chemistry 221 may be substituted for Chemistry 124 but Chemistry 124 may not be substituted for Chemistry 221. Credit will not be allowed for both Chemistry 221 and 124. Prerequisite: Chemistry 111-114 or equivalent. 3 hours lecture; 3 hours laboratory per week. *Credit, 4 hours*

131. *Quantitative Analysis*

A course in principles and methods of quantitative analysis for students whose course of study requires one semester of analytical chemistry. Chemistry 232 may be substituted for Chemistry 131, but Chemistry 131 may not be substituted for Chemistry 232. Prerequisites: Chemistry 114 and Mathematics 106. Two hours lecture, four hours laboratory. *Credit, 4 hours*

221, 222. *Organic Chemistry*

A study of the chemistry of the aliphatic and aromatic organic compounds. Prerequisite: Chemistry 114. Three hours lecture, four hours laboratory. *Credit, 4 hours each semester*

246. *Physical Chemistry for Pre-medical Students*

A course dealing with the physical behavior of gases, liquids, and solutions and including special discussion of the colligative properties of solutions, of the measurement of pH, and of the behavior of buffered solutions. Prerequisites: Chemistry 131 and Physics 111. Two hours lecture. *Credit, 2 hours*

281, 282. *Senior Research*

Library, conference, and laboratory work. Open only to major students with a superior record. Six hours a week. *Credit, 2 hours each semester*

301, 302. *Principles of Chemistry*

A two-semester lecture and laboratory course stressing the theory of chemical bonding, of acid-base behavior, of oxidation-reduction

Chemistry

behavior, and of equilibria and the principles of separation and analysis. The laboratory will include both qualitative and quantitative experiments chosen to supplement the lecture material. Designed for teachers holding Class A certificate; may not count as credit toward the M.A. in Chemistry. Prerequisite: One year of college chemistry. *Credit, 3 hours each semester*

305. *Introductory Organic Chemistry*

A treatment of organic chemistry designed to acquaint the student with the main functional groups of organic chemistry and the more important types of organic reactions. Designed for teachers holding Class A certificate; may not count as credit toward the M.A. in Chemistry. Prerequisite: Two years of college chemistry or Courses 301, 302. *Credit, 3 hours*

323. *Organic Analysis*

A lecture and laboratory course in the systematic identification of organic compounds. Prerequisite: Chemistry 222. Two hours lecture, four hours laboratory. *Credit, 4 hours*

324. *Organic Preparations*

A library, conference, and laboratory course in the preparation of organic compounds. Prerequisite: Chemistry 222. Six hours a week. *Credit, 3 hours*

331. *Instrumental Analysis*

A course in the application of physical methods to analytical chemistry. Prerequisite: Chemistry 341. Two hours lecture, four hours laboratory. *Credit, 4 hours*

332. *Analytical Chemistry*

A lecture and laboratory course in the principles and Methods of Analytical chemistry. Prerequisite: Chemistry 341. Three hours lecture, six hours laboratory. *Credit, 5 hours*

341, 342. *Physical Chemistry*

A course in the fundamentals of physical chemistry. Prerequisites: Chemistry 222, Physics 111-112, and satisfactory work in differential and integral calculus. Three hours lecture, four hours laboratory. *Credit, 4 hours each semester*

361. *Inorganic Chemistry*

A lecture and laboratory course devoted to the principles and theory of modern inorganic chemistry. Prerequisites: Chemistry 332 and Physics 111. Three hours lecture, three hours laboratory. *Credit, 4 hours*

Courses for Graduate Students

441. *Atomic and Molecular Structure*

Atomic structure and the formation of chemical compounds. The relation of spectra, dipole moments, thermodynamics, and other physical concepts to molecular structure. Three hours lecture.

Credit, 3 hours

445. *Thermodynamics*

A study of the application of the principles of thermodynamics to homogeneous and heterogeneous equilibria. Three hours lecture.

Credit, 3 hours

421, 422. *Advanced Organic Chemistry*

Principles of organic chemistry with particular emphasis on reaction mechanisms. Three hours lecture for two semesters.

Credit, 3 hours each semester

447. *Chemical Bonding*

A study of modern theories of chemical bonding. Three hours lecture.

Credit, 3 hours

491, 492. *Thesis Research*

Credit, 3 hours each semester for two semesters

Classical Languages and Literature

PROFESSOR EARP

ASSOCIATE PROFESSOR C. V. HARRIS

INSTRUCTOR ROBERTS

A major in this Department consists of a minimum of 30 hours in either Greek or Latin.

I

Greek Language and Literature

111, 112. *Elementary Greek*

Greek grammar; selections from Greek prose writers and poets; collateral reading on Greek mythology, history, and antiquities.

M T W Th F 2

211. *Xenophon*

Xenophon: *Anabasis*, fall term. Thorough drill in syntax.

M W F 3

212. *Homer*

Homer: *Iliad* and *Odyssey*, spring term. Thorough drill in syntax.

M W F 7

222. *Plato*

Plato: *Meno* or *Apology*, *Crito*, and selections from the *Phaedo*, spring term.

M W F 3

231. *The Greek New Testament*

Selections from the Greek New Testament, fall term.

M W F 7

261. *Greek Tragedy*

Euripides: *Medea*. This course will include a study of the origin and history of Greek tragedy, with collateral reading of selected tragedies in translation.

T T 4

262. *Greek Comedy*

Aristophanes: *Clouds*. This course will include a study of the origin and history of Greek comedy, with collateral reading of selected comedies in translation.

T Th 4

271. *Greek Civilization*

Lectures and collateral reading upon those phases of Greek civilization which have particular significance for the modern world. Given

the first semester. This course is recommended especially to juniors and seniors. A knowledge of the Greek language is not required.

T Th 7

272. *Greek Literature in Translation*

A study of selections from Greek literature in English translation. Given the second semester. This course is recommended especially to juniors and seniors. A knowledge of the Greek language is not required.

T Th 7

II

Latin Language and Literature

111, 112. *Introductory Latin*

A course intended for students who have never studied Latin and for those who present only one unit of Latin for entrance.

M W F 2

151, 152. *Grammar, Cicero, Vergil*

This course will include (a) grammar, (b) Cicero's *Letters*, Vergil's *Aeneid*. Prerequisite, two units of entrance Latin or Latin 111, 112.

M W F 3

211, 212. *Livy, Horace, Pliny*

Livy: *Selections*, first semester. Horace: *Odes* and *Epodes*, Pliny's *Letters*, second semester. Prerequisite, four units of entrance Latin or Latin 111, 112 and 151, 152.

M W F 7

221, 222. *Tacitus, Horace, Martial*

Tacitus: *Germania* and *Agricola*, first semester. Horace: *Satires* and *Epistles*; Martial: *Epigrams*, second semester.

M W F 4

241, 242. *Roman Comedy and Satire*

Selected plays of Plautus and Terence, first semester. Petronius and Juvenal, second semester. (This course will be offered in 1963-1964 and in alternate years thereafter.)

M W F 4

250. *Latin Prose Composition*

Hours to be arranged.

Credit, 3 hours

Education

261, 262. *Roman Philosophy*

Lucretius, Cicero. (This course will be offered in 1964-1965 and in alternate years thereafter.)

T T S 2

271. *Roman Civilization*

This course consists of lectures and collateral reading upon the general subject of Rome's contributions to the modern world. It is recommended especially to juniors and seniors. A knowledge of the Latin language is not required.

T Th 4

272. *Latin Literature in Translation*

A study of selections from Latin literature in English translation. This course is recommended especially to juniors and seniors. A knowledge of the Latin language is not required.

T Th 4

Education

PROFESSORS MEMORY, PARKER

ASSOCIATE PROFESSOR PRESEREN

ASSISTANT PROFESSORS ELMORE, PRICHARD

INSTRUCTOR WAGONER

Institutional Policy. Wake Forest College, since its establishment in 1834, has had as one of its major objectives the preparation of school teachers and officials, and approximately one-fourth of its graduates have served in the classroom. The College recognizes the importance of the profession and knows that the welfare of mankind throughout the ages will be determined in large measure by the quality of educational leadership that is produced. It is, therefore, committed to the policy of encouraging the fit to enter the profession and of denying the unfit the opportunity. In the matter of both the selection and training of the school group, the appropriate resources of the College are available.

Admission Requirements. Junior standing is a general prerequisite for all courses in Education. Psychology is recommended as a preliminary course, and a course in Public Speaking is highly desirable. Before a student-teaching assignment is granted, the applicant will be examined in order to determine whether he or she meets the requirements specified herein with respect to Directed Teaching.

New Requirements for Teacher Certification in N. C. All students who have not been certified before September 1, 1964, to teach in North Carolina must meet new requirements which will appear in the next issue of this catalog. Those who will be seniors in the fall of 1963 will meet the old requirements, but those who will be juniors then will be provided mimeographed instructions by the Education department which will outline the new program and courses that will be needed.

Major in the Department of Education. Students who major in Education must meet Class A certification requirements in at least one broad field of more than 12 hours, as outlined below. Such certification requires, among other subjects, a course in Directed Teaching.

Directed Teaching. This course, also known as *Practice Teaching* and *Student Teaching*, has as an academic prerequisite an over-all C average or that high in subject of certification. Furthermore, if there is any question about the applicant's fitness for such an opportunity, the approval of the major professors concerned must be obtained as well as that of the Education professors. Those accepted must possess qualities that are generally regarded as desirable for leaders of youth—social, emotional, physical, professional. The number of student-teaching opportunities is limited, and the College reserves the right, through its screening committee, to

reject any applicant for reasons sufficient to itself without being under the necessity of establishing those reasons any more than would a medical school or law school under similar circumstances.

In arranging their schedules, seniors should leave vacant at least three consecutive periods daily for Directed Teaching. Chapel attendance is not required of those whose assignments conflict. Cars are needed to get to the high schools, but those who are unable to acquire them are usually able to obtain a ride with others. Students taking Directed Teaching are advised to take no more than 12 semester hours, as the work in this course, although enjoyable and stimulating, is nevertheless intensive and exacting.

State Certificates. Any course offered here will be accredited by the North Carolina State Board of Education as satisfying, in part, the requirements for a State teacher's certificate. Only the courses listed in this department will count as professional credit.

The State Department of Public Instruction awards the High School Certificate, Class A, to graduates of the College who have had the specified courses in their respective teaching fields and the professional courses prescribed as outlined below.

Certification requirements must be met in at least one teaching field; however, a two-subject certificate is far more desirable because most teachers in the State have to teach two subjects, and very little subject departure is permitted without salary penalty.

Certificate requirements in other states conform in most instances to those in North Carolina.

I ACADEMIC REQUIREMENTS

As specified by the State Department of Public Instruction:

Bible and Religion—21 hours, including 6 in Old Testament, 6 in New Testament, and 9 in electives.

Commerce—36 hours*, including 12 in Economics and Retailing, 12 in Accounting and Office Management, 12 in Office Skills (shorthand, transcription, and typing), and minimum office experience.

English—30 hours, including English 111-112; 3 hours in Shakespeare, 3 in American Literature, 3 in advanced grammar and composition (English 301, The Structure of English, at WFC). English Literature and Speech are recommended.

French—24 hours (including 6 in spoken language) based on two or more high school units; otherwise, 30 hours. Quantitative requirements for teaching German and Spanish same as for French.

Latin—24 hours based on two or more high school units; otherwise 30 hours.

Mathematics—21 hours, as prescribed by the chairman of the Mathematics department.

Music—36 hours, including 18 hours of Applied Music for the General Certificate and 21 hours of Applied Music for the Instrumental Certificate. For further information, consult Music department section of this catalog.

Health and Physical Education—36 hours. For specific courses required, consult head of Physical Education department.

Science—30 hours†, including 6 in Biology, 6 in Chemistry, 6 in Physics, 3 in Geography (Bus. Adm. 210) or Geology (Biol. 314), and electives to complete the total of 30.

Social Studies—30 hours†, including 6 in European or World History, 6 in American History; 12 from one or more of the following: Government, Geography, Economics, Sociology; 6 in electives from any of the above.

II PROFESSIONAL REQUIREMENTS

Candidates for the High School, Class A, certificate are required by the North Carolina State Department

*Certification may be granted in individual areas as follows: Typewriting, 4 hours; Stenography, 11 hours (including 9 in Stenography and 2 in Typing); Bookkeeping, 15 hours (including Accounting and Management); Basic Business 24 hours (including 12 in Economics and 12 in Management and Accounting).

†Certification will be allowed in any of the individual social studies or sciences on the basis of 12 hours in a particular subject. This course should be followed only as a last resort, as teachers who are certified in broader areas are better equipped and have less difficulty in securing positions. The 12-hour plan is restricted to subjects in science and social studies fields.

of Public Instruction to have at least 18 hours in Education distributed as follows: 6 hours in *pupil-centered* courses, 6 related to the *school* as an institution, and 6 in directed *teaching* and *practicum*. To meet this requirement a student must take Education courses numbered 211, 321 (or 341), 201, 251, a methods course in one of the subjects for which certification is desired, and also one of these: 301, 311, 331, 401.

201. *Secondary Education*

An examination of the fundamental principles involved in the organization and administration of the high school curriculum in the light of individual and social needs; adolescence, methods, lesson planning, and pupil accounting.

M W F 1, 3; T Th S 4; spring term, M W F 6; T Th S 1

Credit, 3 hours

211. *Educational Psychology*

A course designed to foster an understanding of continuity in development from the intellectual, physical, social, and emotional viewpoints; the nature and process of learning, motivating forces, and mastery of fundamental theoretical concepts.

M W F 3, 4; Spring term M W F 3, 4

Credit, 3 hours

251. *Directed Teaching*

This course contains the specific activities identified with systematic and formal observations, supervised student teaching, and with varied activities related to the job of actual teaching, as specified by regulations of State Department of Public Instruction. Seniors only. C average, or higher, required in subject of certification. For other prerequisites see page 139.

Five hours to be arranged, each term

Credit, 3 hours

291, 292. *Methods and Materials*

With a functional approach, each of the following methods courses is designed to familiarize the prospective teacher with those methods and materials which are actually used in the respective subjects in public high schools. Since all methods courses are not offered each

semester, students who are eligible should schedule them early in their junior or senior years. All methods courses are numbered 291 (Fall), 292 (Spring).

Education—Teaching of Business Education Subjects

Education—Teaching of Choral Music

Education—Teaching of Instrumental Music

Education—Teaching of Mathematics

Education—Teaching of Science

Education—Teaching of Religion

Education—Teaching of Health and Physical Education

Education—Teaching of Spanish

Education—Teaching of French

Education—Teaching of Social Studies

Education—Teaching of English

Education—Teaching of German

Education—Teaching of Speech

301. *Audio-Visual Education*

A survey of the theory, history, and techniques of using audio-visual aids, and their application to the current educational program.

*M W 7, T Th 2; third hour to be arranged; spring M W 7, T Th 2,
third hour to be arranged* *Credit, 3 hours*

311. *History of Education*

A study of educational opinion and practices from the primitives down to the present era; emphasis on the school as a contributor to democratic living and community building.

T Th S 2; spring term, T Th S 2, 4 *Credit, 3 hours*

321. *Measurement and Guidance*

Introductory course. A study of individual differences through statistical techniques as applied to mental and educational measurement; the interpretation and use of standard tests, the construction of informal objective tests, counseling, and audio-visual aids.

M W F 2, 4; spring term, M W F 2, 4 *Credit, 3 hours*

English

331. *School Organization and Control*

A course offered upon the assumption that students entering the field of teaching should have sufficient information concerning the state, county, and city administration of education to stimulate a growing professional interest. *Credit, 3 hours*

341. *Educational Guidance*

A consideration of modern techniques and procedures available for the job of counseling and guidance both in school and in later life; social adjustment, work opportunities, aptitude and educational testing, and appraisal of personal qualities.

Offered only in summer

Credit, 3 hours

351. *Sociology of Education*

Objective comparative study of Education as a social process in various cultures and historical periods, with main emphasis on present education in the United States, Great Britain, and the Soviet Union.

Fall term

Credit, 3 hours

Course for Graduate Students

401. *Educational Philosophy*

The place of the school in the American social order, an interpretation of educational values, and a consideration of school curricula in the light recognized objectives of education. *Credit, 3 hours*

English

PROFESSORS SNUGGS, FOLK, WILSON

ASSOCIATE PROFESSORS AYCOCK, BRODERICK, BROWN

ASSISTANT PROFESSORS CARTER, DRAKE, W. O.

HARRIS, KENION PHILLIPS*

INSTRUCTORS JUDSON B. ALLEN, CARROLL, EATON,

E. HERRING, L. H. LEE, LOVETT, RAYNOR,

SHORTER, SINCLAIR, WHEELER

Courses 111, 112, and 151, 152, for freshmen and sophomores, are prescribed for all degrees, and are pre-

* Absent on leave.

requisites for admission to all advanced courses in English.

The major in English requires a minimum of 30 credit hours, of which at least 18 must be taken in the junior and senior years in courses numbered above 200. The minimum requirement for all English majors is five advanced courses in literature. Of these, three must be in English literature (including one in literature before 1700 and one in literature after 1700) and one in American literature. The advanced courses must also include one course in each of the major *genres*: poetry, fiction, and drama; and one single-author course and one period course.

(A single course may satisfy two or three of the categories above. For example, a course in Shakespeare would satisfy the requirements for a course in English literature before 1700, a course in drama, and a single-author course.)

Highly qualified English majors are considered by the Department for admission to the honors program in English. They must meet certain preliminary requirements; earn a QPR of not less than 2.0 on all college work and 2.3 on all work in English; complete at least 20 hours in advanced courses in English including English 214 (to be taken in the spring semester of the junior year), two courses in English literature before 1800, two courses in English and/or American literature since 1800, and English 281 (to be taken in the fall semester of the senior year); complete satisfactorily a senior research paper; and pass a comprehensive written examination based on a general reading list and on a specialized reading list in a special area chosen by the student. They are then graduated with the designation of "distinction in English." For additional information consult members of the English staff.

11. *Composition Review**

Essentials of standard usage and the basic principles of unity and coherence in sentence and paragraph; frequent themes. Required of those who have been assigned "composition conditions" (See footnote on this page). The course carries no credit; the class meets three hours per week.

Fall and spring semesters M W F 1

111. *English Composition*

A basic course in writing, which provides training in clear thinking and effective expression; frequent themes, corrective exercises, reading in modern prose, individual conferences; no credit given until the student has demonstrated ability to write satisfactorily. Students deficient in English may be required to meet five hours each week.

Fall semester, M W F 1, 2, 3, 4, 5, 6, 7, 8; T Th S 1, 2, 4, 5; spring semester, M W F 7; T Th S 1, 2, 4, 5

112. *Composition and Literature*

Study and practice in the several types of writing, with special attention to the preparation of an investigative paper; readings in modern literature, with themes related to the reading; originality and individuality of style emphasized. Prerequisite, English 111.

Spring semester, M W F 1, 2, 3, 4, 5, 6, 7, 8; T Th S 1, 2, 4, 5; fall semester, M W F 6; T Th S 2

151. *Major American Writers*†

A study of major American writers, including Poe, Emerson, Hawthorne, Thoreau, Melville, Whitman, Dickinson, and Mark Twain. Emphasis on reading rather than on literary history. Prerequisite, English 111-112.

Fall semester, M W F 1, 2, 3, 4, 5, 6, 7, 8; T Th S 1, 2, 4, 5; spring semester T Th S 1

*Proficiency in the use of the English language, in oral reports and in writing, is recognized by the Faculty as a requirement in all departments. A composition condition, indicated by cc under the grade for any course, may be assigned in any department to a student above the freshman year whose writing is unsatisfactory, regardless of previous credits in composition. Removal of the composition condition, either through special work as directed by the English department or by repeating English 111 (without credit hours), is prerequisite to graduation. The removal of the composition condition should begin the next semester after it is assigned.

†This course is required of all sophomores in Wake Forest College, on the theory that every college student should have an introduction to the literature of his own country. It is not required of students who transfer from other standard institutions with credit for the regular one-year course in sophomore literature, regardless of the content.

152. *Major British Writers*

A study of major works of several British poets and prose writers, including Chaucer, Spenser, Shakespeare, Milton, and Swift. Emphasis on reading rather than on literary history. Prerequisite, English 111-112.

Spring semester, M W F 1, 2, 3, 4, 5, 6, 7, 8; T Th S 1, 2, 4, 5; fall semester, M W F 3

212. *Literary Criticism*

Study of the basic principles of the great critics with practical application to specific literary works. Prerequisite, English 111-112, 151-152.

Not offered 1963-64

214. *History of English Literature*

A co-ordinating course in literary history, beginning with the Anglo-Saxon era and continuing through the Victorian era; individual reading programs in the literature of the several literary periods, variable according to previous studies and future plans; chiefly for English majors in the senior year. Prerequisite, 18 hours of college English.

M W F 7

246. *Modern Drama*

Extensive reading in the works of representative European, British and American dramatists from Ibsen to the present, in approximately chronological order, with attention to purposes, themes, and the evolution of modern techniques. Prerequisite, English 111-112, 151-152.

M W F 6

248. *The Modern Novel*

Readings in recent fiction by continental, English, and American authors. Prerequisite, English 111-112, 151-152.

T Th 6

253. *American Fiction*

Studies in the novel and the short story, with reading of representative works of Cooper, Poe, Hawthorne, Melville, James, and others. Prerequisite, English 111-112, 151-152.

M W F 2

256. *American Prose*

Studies in the thought of the nineteenth century, with the subject matter from Emerson and his contemporaries. Prerequisite, English 111-112, 151-152.

M W F 1

261. *Essay Writing*

Primarily for those who are interested in writing for publication, with concentration on the various types of essays; wide reading in both modern and older essays; admission to the class only after conference with the instructor. Prerequisite, English 111-112, 151-152.

Tu 8-9

Credit, 2 hours

262. *Short Story Writing*

A study of the fundamental principles of short fiction writing, with much collateral reading in the short story, and constant practice in writing; admission by consent of the instructor. Prerequisite, English 111-112, 151-152.

Tu 8-9

Credit, 2 hours

263. *Expository Writing*

An advanced course in the theory and practice of exposition and expository argumentation. Emphasis on logical thinking and on clarity and cogency in organizational structure and style. This course is not credited toward an English major. Prerequisite, English 111-112, 151-152 with C average.

T Th S 1

281. *Directed Reading*

A conference course for honors students in the senior year. Under the guidance of an appropriate faculty member, the student will be expected to master a reading list in a specialized area of the field of English and to prepare a senior paper in the area of specialization.

Fall; hours arranged

Credit, 2 hours

291. *Education—The Teaching of English*

A course which is credited as Education in the professional requirement for a high school teacher's certificate. A thorough review of English grammar with emphasis on the functional approach; directions for and activity in teaching composition and literature for

high school students; use of audio-visual aids. Prerequisites, senior standing, English major, and a superior record.

M W F 1

301. *The Structure of English*

An introduction to the principles and techniques of descriptive linguistics applied to contemporary American English. The chief concern is with syntax, morphology, and phonology. Some attention to (1) usage, (2) the relation of the phonemic system to orthography, and (3) regional variations in grammar, pronunciation, and vocabulary. Students are required to write two or three short papers. The course satisfies a state requirement for public-school certification in English. It is also open to students who do not plan to teach. Prerequisite, English 111-112, 151-152.

T Th S 5

304. *History of the English Language*

A survey of the development of English syntax, morphology, phonology, and vocabulary from Old English through Middle and Early Modern English to the present day, with some attention to the relation of English to the Indo-European language family. Prerequisite, English 111-112, 151-152.

T Th S 5

315. *Chaucer*

An introduction to Chaucer as a literary artist and master storyteller, with emphasis on *The Canterbury Tales* and *Troilus and Criseyde* studied in relation to sources, and to literary and social background. Prerequisite, English 111-112, 151-152.

M W F 6

S316. *English Drama*

Reading of representative masterpieces of English dramatic literature from the medieval beginnings through the eighteenth century, exclusive of Shakespeare; lectures on the history of the drama and the stage. Prerequisite, English 111-112, 151-152.

320. *Spenser*

Life and works of Edmund Spenser in relationship to the background of the Renaissance and to the Elizabethan era; concentration on *The Faerie Queene*. Prerequisite 111-112, 151-152.

M W F 8

323. *Shakespeare*

An introduction to Shakespeare as a dramatist and poet in relationship to his predecessors and contemporaries; a study of representative plays in the approximate chronological order, with the reading of additional plays; attention to problems of biography, dramatic companies, theatres, sources and criticism. Prerequisite, English 111-112, 151-152.

M W F 4

327. *Milton*

A study of the poetical works of John Milton, with the concentration on *Paradise Lost*, and with the reading of selected prose; special attention to the life and personality of the author and to the literary and historical backgrounds of the era. Prerequisite, English 111-112, 151-152.

T Th S 2

328. *The Age of Dryden*

A study of English prose, verse, and drama from 1660 to 1700. Emphasis on the works of John Dryden as the dominant figure of the period, on literary theory, and on the comedy of manners. Prerequisite, English 111-112, 151-152.

M W F 5

331. *The English Novel to 1832*

The history of the English novel from the Elizabethan era to 1832, chiefly through the reading and analysis of representative works which illustrate the evolution and progress of the form; emphasis on Defoe, Richardson, Fielding, Austen, and Scott. Prerequisite, English 111-112, 151-152.

M W F 3

332. *Eighteenth Century English Literature*

A study of representative works of the major writers from Defoe to Blake; special attention to the periodical essayists and to Pope, Swift, Johnson, Boswell, Goldsmith, Cowper, Burns, the current philosophies and literary theories. Prerequisite, English 111-112, 151-152.

M W F 2

337. *Romantic Poets*

A rapid survey of the beginnings of romanticism in English literature, followed by a study of Wordsworth, Coleridge, Byron, Keats,

and Shelley; collateral reading in the prose of the period. Prerequisite, English 111-112, 151-152.

M W F 7

340. *Victorian Novelists*

A study of Dickens, Thackeray, the Brontes, Eliot, Meredith, and Hardy, with some attention to their contemporaries; special attention to the social and literary background. Prerequisite, English 111-112, 151-152.

M W F 3

341. *Victorian Poets*

A study of Tennyson, Browning, Arnold and other representative poets as literary artists and as exponents of the literary, social and philosophical concepts of the era, 1830 to 1890. Prerequisite, English 111-112, 151-152.

T Th S 4

344. *Victorian Prose*

A study in the prose, exclusive of fiction, of the major Victorian writers: Carlyle, Macaulay, Newman, Mill, Ruskin, Arnold, and others, as related to the life and thought of the period from about 1825 to 1890. Prerequisite, English 111-112, 151-152.

M W F 5

345. *Twentieth Century Poetry*

A study of selected American and British poets of the twentieth century, with attention to the transition from post-Victorianism, the renaissance following 1912, experimentation, and present trends. A study of poetry as the product of the new era, and of poets as its interpreters. Prerequisite, English 111-112, 151-152.

M W F 2

358. *Whitman and His Contemporaries*

Studies in major American poets of the nineteenth century, with concentration on Walt Whitman. Prerequisite, English 111-112, 151-152.

T Th S 4

S359. *Literature of the South*

Studies in the poetry and prose of the Southern United States, chiefly of the nineteenth and twentieth centuries. Prerequisite, English 111-112, 151-152.

Courses for Graduate Students

410. *Literary Criticism*

A survey of the main theories of literature and their application, especially of the sixteenth and seventeenth centuries, with attention to their ancient antecedents: Aristotle, Longinus, and Horace. Intensive study of the important critical works; more rapid reading of others. An investigative paper will be required of each member of the class.

Spring

Credit, 3 hours

419. *English Drama, 1580-1642*

Reading of representative plays of the period. Intensive study of one playwright's works. Introduction to bibliography and methods of research in the field. A research paper required of each one in the course.

Fall

Credit, 3 hours

425. *Seventeenth Century English Literature*

Non-dramatic literature of the Seventeenth Century, exclusive of Milton. Lectures, discussions, and presentation of studies by members of the class.

Fall

Credit, 3 hours

455. *Studies in American Fiction*

A study of the principal fiction (and its background) of two major American writers of the nineteenth century. Lectures, seminar reports, and a research paper. (Authors for study chosen from the following: Poe, Hawthorne, Melville, Twain, Henry James.)

Fall

Credit, 3 hours

458. *Studies in American Transcendentalism*

A study of Transcendentalism as an intellectual and literary movement, concentrating on the work of Emerson and Thoreau. Lectures, seminar reports, and a research paper.

Spring

Credit, 3 hours

491, 492. *Thesis Research*

Credit, 3 hours each semester for two semesters

Journalism

For a career in the newspaper profession, breadth of academic background is essential. The following courses, which provide the fundamentals of professional training, are concerned with the basic principles of journalistic writing and editing, and with a conception of the newspaper as a whole.

271. *Journalistic Writing*

Survey of the fundamental principles of news-writing; study of news and news values, and of outstanding newspapers. Open to juniors and seniors, and to sophomores who obtain the permission of the instructor. Prerequisite, English 111-112.

M W F 4

272. *Copy-editing*

A laboratory course in copy-editing, headline-writing, typography, and make-up. Prerequisite, English 111-112 and 271.

Hours to be arranged

Credit, 2 hours

274. *Special Feature Articles*

Practice in writing articles for newspapers and magazines, with emphasis on selecting subject, gathering material, and on the preparation and sale of manuscripts. Prerequisite, English 111-112, and preferably 271.

T Th 4

277. *The Editorial*

Analysis of editorial policies of typical newspapers, discussions of current events and topics for editorial expression, and practice in writing various types of editorials; a study of the fundamentals of public opinion, and what the editorial writer can do to influence thinking. Prerequisite, English 111-112, 271-272.

T Th 4

278. *History of American Journalism*

A study of the development of the American newspaper, with detailed investigations of representative papers and editors, and with special reference to the problems of present-day journalism. Prerequisite, English 111-112, 271-272.

Art History and Appreciation

The following courses, conducted by a member of the English staff, are not a part of the regular English curriculum, but may be included in the program of the English major as related courses.

265. *Ancient and Medieval Art*

A survey of the arts as they developed in Egyptian, Mesopotamian, Minoan, Greek, and Roman civilizations and Medieval Europe. Prerequisite, junior or senior standing.

T Th 7

266. *Renaissance and Modern Art*

A survey of the arts as they developed in Europe and the United States; emphasis on architecture, sculpture and painting. Prerequisite, junior or senior standing.

T Th 7

268. *American Art*

A history of art in the United States; emphasis on architecture, sculpture, painting, and the minor arts. Prerequisite, junior or senior standing.

M W F 1

German

PROFESSOR O'FLAHERTY

VISITING PROFESSOR RAVEN

ASSOCIATE PROFESSOR FRASER

INSTRUCTORS MELVIN, SNYDER

A major in this department requires 30 hours, including German 230, 261, 262, 281, 284.

A language laboratory of twenty-five booths has been in operation since September 1960. Students enrolled in German courses numbered 111, 112, 151, 152, 154 are required to spend one hour a week in the language laboratory as a part of their class preparation.

German majors who have a minimum quality point ratio of 2.0 in all college work and 2.3 in all departmental work may be admitted to the honors program in German. There are four requirements for completion of the honors major in German after admission: (1) maintenance of a minimum quality point ratio of 2.3 in all work toward the major; (2) participation in at least one senior seminar at this institution; (3) the completion of a special research project under the direction of a member of the department; (4) the passing of a comprehensive written and oral examination, the oral part of which will be conducted in German by members of the department. For further details, students should consult a member of the department. Successful honors candidates are graduated with the designation "distinction in German."

111, 112. *Elementary German*

An introduction to German grammar. Much oral and aural practice. Reading of simple texts. *Credit, 3 hours each semester*

151, 152. *Intermediate German*

Continuation of the study of German grammar. Class reading of some 200 pages or more of German prose. Oral and aural practice. Sight translation. Prerequisite, German 111, 112 or its equivalent.

M W F 2, 3, 5, 6; T Th S 2, 4

Credit, 3 hours each semester

154. *Intermediate Scientific German*

A one-semester course in scientific German on the intermediate level. Continuation of grammar review. Class reading of approximately 100 pages of simple scientific prose from the fields of Chemistry, Physics and Biology. Prerequisite, German 111, 112, 151 or equivalent. *Credit, 3 hours*

German

211, 212. *Introduction to German Literature*

The object of this course is to acquaint the student with German culture as reflected in the recognized masterpieces of German literature.

Prerequisite, German 151, 152. *Credit, 3 hours each semester*

S214. *Introduction to German Literature*

The object of this course is to acquaint the student with German culture as reflected in the recognized masterpieces of German literature. It covers material not covered in either German 211 or 212 in order that it may be substituted for either course as a requirement for graduation. Prerequisite: German 152 or its equivalent.

217, 218. *German Conversation and Composition*

A course in spoken and written German. This course is required of those who plan to teach German in high school. Prerequisite, German 211, 212 or its equivalent. *Credit, 3 hours each semester*

221. *Schiller*

Readings in Schiller's dramas, ballads, and critical essays will be emphasized. Prerequisite, German 211 or 212 and permission of instructor. (Not offered in 1962-63.)

M W F 2

Credit, 3 hours

224. *Lessing*

Readings in Lessing's dramas and critical essays are stressed in this course. His life is studied with particular emphasis on his relation to contemporary men of letters. Prerequisite, German 211 or 212 and permission of instructor.

T Th S 4

Credit, 3 hours

230. *Goethe*

Faust Part I will be studied in class. Parallel readings in other works by Goethe will be assigned. Prerequisite, German 211, 212.

T Th S 4

Credit, 3 hours

261, 262. *Survey of German Literature*

This course is designed to acquaint the student with the major works and trends of German literature in the Old High German, Middle, and New High German Periods. Readings from the older periods of the literature may be done in modern German or English translation. Prerequisite, German 211, 212 or equivalent. This course is required of majors. *Credit, 3 hours each semester*

265. *Nineteenth Century Drama*

Class readings from Kleist, Grillparzer, Hebbel, Wagner, Hauptmann, and Schnitzler. Parallel readings in other dramatists of the nineteenth century. Prerequisite, German 211, 212.

M W F 5

Credit, 3 hours

268. *The German Novelle From Goethe to Thomas Mann*

Class readings in Goethe, Kleist, Tieck, Keller, Storm, C. F. Meyer, Thomas Mann and others. Prerequisite, German 211, 212. (Not offered in 1962-63)

M W F 6

Credit, 3 hours

271, 272. *Middle High German*

Introduction to the Language. Selections from the great works of the MHG Period of German literature will be read. Emphasis will be placed on reading for literary content rather than linguistic analysis. Prerequisite, junior standing and permission of the instructor.

Credit, 3 hours each semester

281. *Seminar: Twentieth Century Prose*

Advanced students investigate, under the guidance of the instructor, the leading authors of German Naturalism, Impressionism, and Expressionism. Reports and discussions are for the most part in German. Prerequisite, German 211, 212 or equivalent and permission of instructor.

Credit, 3 hours

284. *Seminar: The German Sturm und Drang, 1760-1785*

Students engage in advanced research on Hamann, Herder, the young Goethe and Schiller, Schubart, Lenz, Klinger, and other selected writers of the period. Reports and discussions are for the most part in German. Prerequisite, German 211, 212 or equivalent and permission of instructor.

Credit, 3 hours

292. *Education—The Teaching of German*

A survey of methodology of general principles in the teaching of German in secondary schools. Particular attention is paid to the teaching of grammar, reading methods, pronunciation and oral work and conversational language. Realia materials examined and evaluated. Some attention is given to the possibilities now being developed in languages for the elementary school.

Credit, 3 hours

History

PROFESSORS STROUPE, GOKHALE, PERRY

VISITING PROFESSOR LIVINGSTON

ASSOCIATE PROFESSORS CLONTS, *GREGORY, SMILEY,

LOWELL R. TILLET, YEARNES

ASSISTANT PROFESSORS BARNETT, GARRETT, J. EDWIN

HENDRICKS, MULLEN, ZUBER

INSTRUCTORS HILLMAN, HITCHINS

The Bachelor of Arts degree is awarded to students who complete the requirements for the bachelor's degree as stated elsewhere in this catalog and take their major in History. The History major is 30 semester hours and must include History 111, 112 and History 151, 152 or their equivalents. History 111, 112 are prerequisites for all other courses offered by the Department. History 151, 152 are prerequisites for all other courses in United States history. The remaining 18 hours of the History major and 18 hours of required work in related fields are selected by the student and a History adviser.

Highly qualified History majors are considered by the department for admission to the honors program in History. They must meet certain preliminary requirements, earn a QPR of not less than 2.0 on all college work and 2.3 on all work in History, complete satisfactorily History 287, 288, and pass a comprehensive written examination. They are then graduated with the designation of "distinction in History." For additional information consult members of the History staff.

Students contemplating graduate study should plan to take required and general survey courses early in their college careers, should include the course in Historiography, and should acquire a reading knowledge of one modern foreign language (preferably French,

* Absent on leave, 1962-63.

German or Russian) for the M.A. degree and two for the Ph.D. degree. For information regarding the Master of Arts degree in History at Wake Forest College consult the *Bulletin* of the Division of Graduate Studies.

111, 112. *Modern Europe*

The political, economic, and social history of Europe in its world setting from the Renaissance to the present. Stresses major institutions, movements, and personalities shaping our western civilization. Assigned work includes text, parallel reading, and work in historical geography. Students majoring in history or political science should take this course their freshman year. History 111 prerequisite for History 112.

History 111, fall semester, M W F 1, 2, 3, 4, 5, 6, 7, 8; T Th S 1, 2, 4, 5; spring semester, M W F 6; T Th S 1, 5

History 112, fall semester, M W F 6; T Th S 1, 5; spring semester, M W F 1, 2, 3, 4, 5, 6, 7, 8; T Th S 1, 2, 4, 5

151, 152. *The United States*

A general survey of United States history from the period of discovery and colonization to the present. The course is conducted through daily lectures, textbooks, collateral readings, and map studies. Social, economic, and intellectual developments are included, but political history is emphasized. History 151 covers the period from discovery to 1865; History 152 the period from 1865 to the present. Students majoring in history or political science should take this course in the sophomore year. History 151 prerequisite for History 152.

M W F 1, 3, 4; T Th S 2

215, 216. *The Ancient World*

Oriental and Greek history, fall semester; Roman history, spring semester. Textbook and written reports. Cultural aspects emphasized.

T Th 6, 7, 8

219, 220. *The Renaissance and Reformation*

This is a study of the transition of Europe from medieval to modern times. The emphasis is on artistic, literary, and religious achievements, with some attention given to political and economic developments.

T Th 5

239. *Africa*

A survey of African history from the beginning of civilization to the present, with emphasis on the periods of European colonialism and emergent nationalism.

T Th S 4

257, 258. *The South*

A study of geography, population elements, basic institutions, and selected events, conducted largely by individual reports and involving extensive use of the library.

M W F 2

264. *Economic History of the United States*

A general survey of the economic development of the United States from colonial beginnings to the present, conducted through daily discussions, textbook assignments, and collateral readings. This course may count as History or Business Administration, but not both. At the time of registration the student must determine in which field credit is desired.

M W F 6

265. *American Diplomatic History*

An introduction to the history of American diplomacy since 1776, emphasizing the effects of public opinion on fundamental policies.

M W F 3

271. *Latin America*

A study of the development of Latin America from its colonial origins to the present. Textbook and collateral readings.

M W F 1

287, 288. *Honors Course in History*

A two-semester sequence emphasizing the problems of historical synthesis and interpretation. Consideration is given to current developments in interpretation as well as to traditionally controversial issues. The work will include reading and discussion on selected topics and the preparation of a major research or interpretative paper each semester. Designed for seniors who are candidates for distinction in history.

Th 8-9

291. *Education—Teaching of Social Studies*

An examination of the theories and procedures involved in the teaching of history, geography, civics, economics, and sociology in secondary schools. The principal emphasis is on history. Open to students who expect certification in one or more of the social studies. Credited as Education.

T Th S 1

317, 318. *Medieval Europe*

A course in which selected political, economic, social, and cultural aspects of the Middle Ages are studied. Collateral readings and oral reports on special topics are added to textbook assignments. History 317 prerequisite for History 318.

T Th 4

321, 322. *Southeastern Europe since the Thirteenth Century*

The political, economic, and cultural development of the peoples of Rumania, Yugoslavia, Bulgaria, Greece, and Albania from the Middle Ages to the present. Among the topics discussed are the legacy of Byzantium, the Ottoman Empire and its institutions in Europe, the influence of the major European powers, the growth of national sentiment and the foundation of national states, and the establishment of Communist regimes.

M W F 1

323, 324. *England*

A political and social survey, with some attention to important continental movements. The period prior to 1603 is covered in the fall semester, the period since 1603 in the spring semester. Recommended to students taking majors in English or law as well as to those in history.

M W F 2, 4

327, 328. *The British Empire*

Fall semester: the rise of the second British Empire, 1783-1867, with emphasis on Canada, Australia, New Zealand, India, Cape Colony, and the West Indies. Spring semester: the development of the Commonwealth and the evolution of the dependent Empire since 1867.

M W F 4

331, 332. *Russia*

Primarily political, with some attention to cultural and social developments. Fall semester, the Russian Empire; spring semester, the Soviet Union. Textbook and outside readings.

M W F 6

333. *The French Revolution and Napoleon*

A brief analysis of the Enlightenment and of the social, economic, and political structure of the Old Regime; the development of the revolution from 1789 to the advent of Napoleon; the impact of the revolution and of Napoleon upon Europe.

M W F 7

334. *Europe in the Nineteenth Century*

The political, social, economic, and cultural developments of nineteenth-century Europe. Topics emphasized include the conflict between liberalism and conservatism; the industrial revolution and the rise of socialism; the growth of nationalism, realism, and materialism; and the background of World War I.

M W F 7

335. *European Diplomacy, 1848-1914*

A problem approach to the diplomatic history of the major powers, with emphasis upon four broad topics: effects of the unification of Germany and Italy upon the European balance, successes and failures of the Bismarckian system, the division of Europe into two rival camps, and the decision for war.

M W F 5

338. *Recent European History*

A review of World War I followed by intensive study of the problems of peace, rise of new governments, collapse of collective security, World War II, and the postwar era. Library readings and textbooks.

M W F 5

341, 342. *History and Civilization of Southeast Asia*

Developments in the history and culture of Burma, Thailand, Malaya, Indonesia, and Indo-China from the earliest times to the present. The course devotes special attention to religion, social organization, economy, Indian and Chinese influences, literature, art, and architecture in the region. (*Not offered in 1963-64*)

347, 348. *Modern India*

An intensive examination of the historical development of India since 1600. Topics discussed include the Mughal Empire and its contributions, the growth of Western enterprise and British rule, and the Western impact on the emergence of modern India.

M W F 8

351, 352. *Social and Intellectual History of the United States*

A study of the significant ideas and cultural achievements of the American people and of their relationship to the social environment. History 351 covers the period from the first settlements to 1865. History 352 covers the period since 1865 and may be taken independently of History 351.

T Th S 2

353. *Colonial America*

The background and development of colonial America to 1763. Emphasis on political, social, economic, and cultural characteristics as they became uniquely American.

T Th S 5

354. *Revolutionary and Early National America, 1763-1820*

The American Revolution, its causes and effects, the Confederation, the Constitution, and the new nation as it gained complete independence.

T Th S 5

S355. *The Westward Movement*

The role of the frontier in American history, 1763-1890.

S360. *Recent American History*

The peace settlement of World War I, the "Roaring-Twenties," the Great Depression, era of the New Deal, foreign affairs and involvement in World War II, post-war trends and developments.

362. *American Constitutional History*

A study of the origins of our constitutional system, the controversies involving the nature of the union, constitutional readjustments to meet the new American industrialism, and the modern Constitution. Textbook and collateral reading.

T Th S 4

History

368. *North Carolina*

Selected phases of the development of North Carolina from colonial beginnings to the present are studied by means of lectures, maps, and readings.

M W F 1

391, 392. *Historiography*

A study of the development of history as a branch of knowledge through a survey of the principal historians and their writings from ancient times to the present. Sample readings, class discussions, written and oral reports. Fall semester: European historiography; Spring semester: American historiography.

T Th 7

Courses for Graduate Students

411, 412. *Seminar in Modern European History*

W 7:00-9:00 P.M.

Credit, 2 hours each semester

442. *Seminar on Southeast Asia*

Th 3:30-5:30 P.M.

Spring

Credit, 2 hours

447. *Seminar on Modern India*

Th 3:30-5:30 P.M.

Fall

Credit, 2 hours

451, 452. *Seminar in United States History*

S 9:00-11:00 A.M.

Credit, 2 hours each semester

457. *The Old South*

Selected aspects of the history of the South from the Missouri Compromise to the Civil War. Sectionalism and a comparison of the Southern way of life with that of the North are emphasized. Lectures and reading.

T Th 8:30-10:00 A.M.

Fall

Credit, 3 hours

458. *The Civil War and Reconstruction*

A study of the political and military events of the War for Southern Independence, and of the economic, social, and political re-adjustments which followed. Lectures and reading.

T Th 8:30-10:00 A.M.

Spring

Credit, 3 hours

491, 492. *Thesis Research*

Credit, 3 hours each semester for two semesters

Mathematics

PROFESSORS GENTRY, SAWYER

ASSOCIATE PROFESSORS GAY, JOHNSON, BEN M.
SEELBINDER

ASSISTANT PROFESSORS GAYLORD MAY, GRAHAM
MAY, WADDILL

INSTRUCTORS PHILIP M. HENDRICKS, JR., LINDER

This Department offers basic courses in each of the main divisions of Mathematics: algebra, analysis, geometry, applied mathematics.

A major in this Department (33 hours) must include courses 111, 112, 113, 121, 232, 311, 312, 321.

Any student preparing to teach Mathematics in the secondary school should include in his program courses 111, 112, 113, 121, 231, 232, 321.

Highly qualified Mathematics majors are considered by the Department for admission to the honors program in Mathematics. They must meet certain preliminary requirements, earn a QPR of not less than 2.0 on all college work and 2.3 on all work in Mathematics, complete satisfactorily a senior research paper and pass a comprehensive oral and written examination. They are then graduated with the designation of "distinction in Mathematics." For additional information consult members of the Mathematics staff.

1. *Intermediate Algebra*

A basic course in algebra starting with the fundamental operations and going through linear equations, systems of linear equations,

Mathematics

exponents and radicals and quadratic equations. This course is offered without credit to students whose preparation is inadequate.

M W F 1

102. *Principles of Mathematics*

An introduction including a definition and examples of deductive reasoning, inductive reasoning, abstract logic, abstract mathematical science, pure and applied mathematics. A study of set theory as an application. A study of the real number system using an axiomatic approach. Many examples taken from arithmetic, algebra, trigonometry and analytic geometry. Any student receiving credit for Mathematics 102 will not receive credit for Mathematics 105.

M W F 4, T Th S 1

105, 106. *Introduction to Mathematical Analysis*

An introduction to series, limits, derivatives and antiderivatives. A thorough study of (a) polynomial equations of first, second and higher degrees in one or more variables, (b) algebraic, exponential, logarithmic, trigonometric and inverse functions, (c) identities, (d) conic sections, (e) polar, cylindrical, spherical coordinates and transformation of coordinates and (f) parameters. Any student receiving credit for Mathematics 105 will not receive credit for Mathematics 102.

M W F 1; T Th S 2

111, 112, 113. *Calculus with Analytic Geometry I, II, III*

A study of differential and integral calculus and an investigation of the basic ideas of analytic geometry as they arise.

M W F 2, 3, 6; Spring Semester T T S 2, 4 Credit, 3 hours each semester

121. *Linear Algebra*

A study of vectors and vector spaces, linear transformations and matrices, linear groups and determinants.

M W F 3; spring semester, T T S 4

161, 162. *Modern Finite Mathematics with Analysis*

A study of mathematics as it pertains to social science and business today. Emphasis will be placed on development of mathematical models, probability, matrices, linear programming, decision theory, and theory of games. The second half will include topics from analytic geometry and calculus; also a study of the linear, parabolic and

hyperbolic laws with an introduction to differential and integral calculus. Applications including maxima and minima problems and curve fitting will be included. No student will be allowed credit for both Mathematics 162 and Mathematics 111.

M W F 2, 4; T T S 2, 4

Credit, 3 hours each semester

172. *Mechanical Drawing*

Use of drawing instruments, lettering, free-hand sketching, projections, tracing, working drawings, maps, blue printing, and the elements of architectural and structural drawing.

M W F 3; Lab. T 6, 7

Credit, 2 hours

174. *Surveying*

The use of engineering equipment. Surveying and engineering practices, government system of division and sub-division of land; deed description, lot and farm boundaries; topographical surveying, making of contour maps, observations for determination of meridian and latitude, reducing field notes, plotting, blue printing, use of slide rule, etc.

T Th 4; Lab. T 6, 7

Credit, 3 hours

176. *Descriptive Geometry*

The elementary principles and propositions of the science of descriptive geometry, covering orthographic projection, spherical projection, shades and shadows, linear perspective, and isometric drawing.

M W 5

Credit, 2 hours

231. *Modern Geometry*

The elements of geometry including congruence, parallelism, similarity, area, volume, and ruler and compass construction will be studied. Non-Euclidean geometry will be introduced.

232. *Foundations of Geometry*

A course of logic in geometry with special emphasis on postulates, systems of geometry, etc. Recommended for teachers. Prerequisite, Mathematics 112.

T Th S 1

251. *Differential Equations*

Special solvable non-linear equations, linear equations, transformations, and symbolic methods; solutions in series; Gauss, Bessel

and Legendre equations; simultaneous ordinary differential equations.

M W F 6

255. *Theory and Applications of the Digital Computer*

Basic theory and applications of computers, including number representations, components and organization of computing systems, the history of computers. Intensive study and laboratory training in coding and programming, interpretive routines, compilers, mathematical models and error analysis. Two hours lecture, two hours laboratory.

Hours to be arranged

Credit, 3 hours

256. *Numerical Analysis*

A computer-oriented study of various analytical methods in mathematics including real and complex roots of equations, finite difference methods and theory of interpolation, numerical differentiation and integration, numerical solution of ordinary and partial differential equations, simultaneous equations and matrix inversion, error analysis. Two hours lecture, two hours laboratory. Prerequisites, Math 113, Math 255.

Hours to be arranged

Credit, 3 hours

292. *Education—The Teaching of Mathematics*

The objectives and content of the many proposals for change in our curriculum and texts. The techniques, relative merits, and role of such teaching procedures as the inductive and deductive approaches to new ideas. The literature of mathematics and its teaching. The underlying ideas of elementary mathematics and the manner in which they may provide a rational basis for teaching.

M W F 1

294. *History of Mathematics*

A study of the development of mathematics, dealing with the evolution of the number system, arithmetic, geometry, algebra, trigonometry, etc., together with a study of the lives of the leading mathematicians. Recommended for those of junior standing who expect to teach Mathematics.

T Th S 4

301. *Basic Concepts of Algebra for Teachers*

A study of the foundations of algebra and the structural properties of elementary algebraic systems with special emphasis on the real num-

ber system, sets, methods of proof and algebraic functions. Credit for this course may not be applied toward the Master of Arts degree by students majoring in Mathematics. *Credit, 3 hours*

302. *Basic Concepts of Geometry for Teachers*

A study of points, lines and planes; real numbers and the Ruler Axiom; separation in the Plane and in Space; angles and the Protractor Axiom; Congruences. Credit for this course may not be applied toward the Master of Arts degree by students majoring in Mathematics. *Credit, 3 hours*

311, 312, 313. *Advanced Calculus I, II, III*

Real and complex numbers; basic concepts in set theory; limits and continuity; Differentiation of functions of one and several variables; Taylor's expansion; definite, improper, infinite, multiple integrals; infinite series; power series; applications. Math 311 may not be taken for credit by graduate students majoring in mathematics.

Hours to be arranged

Credit, 3 hours each semester

317, 318. *Theory of Functions*

Limits, implicit functions, power series, double series, Cauchy's Theorem and its applications, residues, Riemann surfaces, conformal mapping.

Hours to be arranged

Credit, 3 hours each semester

321, 322. *Modern Algebra*

A study of groups, fields, rings, determinants, matrices, linear dependence, linear transformations, quadratic and bilinear forms. Course 321 may not be taken for credit by graduate students majoring in mathematics.

Hours to be arranged

Credit, 3 hours each semester

331. *Introduction to Topology*

An axiomatic treatment of the theory of point sets. Topological properties of Euclidean spaces, metric spaces and Hausdorff spaces will be studied.

T T S 1

335. *Projective Geometry*

Synthetic and analytic treatment centering around Desargue's Theorem and the principle of projectivity.

T Th S 2

341. *Foundations of the Number System*

A set of objects called natural numbers characterized by Peano's Postulates will be assumed. The integers, rational numbers, real numbers and complex numbers will be constructed.

Hours to be arranged

345, 346. *Theory of Numbers*

An introduction to the properties of integers, congruences, a study of Theorems of Fermat and Wilson, primitive roots, arithmetic functions, quadratic reciprocity, sums of squares.

Hours to be arranged

Credit, 3 hours each semester

351. *Applied Analysis*

Fourier Series; Bessel functions; Vector algebra and Calculus; line and surface integrals; Divergence theorem; Green's Theorem; Stokes' Theorem; Laplace transformation with applications to differential equations; partial differential equations and boundary value problems.

Hours to be arranged

Credit, 3 hours

357, 358. *Statistics*

A study of the elementary theory and applications, with particular emphasis on the mathematical development of probability distributions, finite population sampling, estimation, testing of hypotheses and confidence methods. One who takes either of these courses may not receive credit for Bus. Ad. 368, Sociology 280 or Psychology 213. This course may not be taken for credit by graduate students majoring in mathematics. Prerequisite, Mathematics 111.

M W F 6

Credit, 3 hours each semester

Courses for Graduate Students

411, 412. *Real Variable*

Lebesgue and Stieltjes integrals, convergence theorems, metric spaces, function spaces, various kinds of measures. Prerequisite, Advanced Calculus.

Credit, 3 hours each semester

413. *Complex Variable*

Algebra of complex numbers, analytic functions, conformal mapping, integrals of complex functions, analytic continuation, Riemann surfaces.

Credit, 3 hours

421, 422. *Abstract Algebra*

A detailed study of mathematical structures—groups, rings, fields, integral domains and ideals, matrix theory and linear associative algebras, Galois Theory. *Credit, 3 hours each semester*

431. *General Topology*

This course consists of an intensive study of fundamentals and properties of topological spaces, with particular emphasis on comparison of topologies, types of convergence, embedding and metrization, compact spaces, uniform spaces, and function spaces. *Credit, 3 hours*

433. *Algebraic Topology*

Fundamental groups, simplicial complexes and simplicial homology theory, fixed point theorems, products, introduction to general homology theories. *Credit, 3 hours*

435. *Differential Geometry*

A study of the metric properties of restricted portions of curves and surfaces in Euclidean space, applicability, differential parameters, Riemannian geometry. *Credit, 3 hours*

491, 492. *Thesis Research*

Credit, 3 hours each semester for two semesters

Military Science

COLONEL J. F. REED, PROFESSOR

CAPTAIN N. G. CLYNE, JR., ASSISTANT PROFESSOR

CAPTAIN J. B. ALLEN, JR., ASSISTANT PROFESSOR

MASTER SERGEANT D. C. MOONEY, ASSISTANT

SERGEANT FIRST CLASS B. C. GIBSON, ASSISTANT

IN INSTRUCTION

SERGEANT FIRST CLASS E. V. QUESINBERRY, AS-
SISTANT

STAFF SERGEANT J. B. MINTZ, ASSISTANT

STAFF SERGEANT G. SHELL, ASSISTANT

MRS. MARGUERITE L. KETCHIE, SECRETARY

MRS. DOROTHY E. DAWSON, LIBRARIAN

A senior unit of the United States Army Reserve Officers' Training Corps was established at Wake Forest College in 1951. The general objective of the program of instruction is to produce junior officers possessing the leadership and other attributes essential to their progressive and continued development as Reserve Officers in the United States Army.

The ROTC program is divided into a Basic Course (academic freshmen and sophomores) and an Advanced Course (academic juniors and seniors).

The purpose of the Basic Course is to increase initiative and confidence in the student, to develop his capacity for leadership, to provide training in military subjects common to all branches of the Army, and to lay a foundation for intelligent citizenship.

Except when credit for military school ROTC, previous active duty training or military service is allowed, failure to enroll in the ROTC as an academic freshman will preclude the student from participation in the program. Transfer students who have previously enrolled in any Department of Defense ROTC program may be continued in the Army ROTC at Wake Forest College.

Military Science courses in the minimum amount required by the ROTC program will be considered among other credits offered for admission to the School of Law of Wake Forest College.

The Advanced Course is designed to develop further the objectives of the Basic Course and to enable selected students to qualify for commissions as Reserve Officers in the United States Army.

Advanced Course ROTC students receive a monetary allowance of approximately \$27.00 per month. This allowance is payable from the day of enrollment at the beginning of the student's junior year until the end of

his senior year. This allowance is not drawn during the summer camp which the Advanced Course ROTC student attends at the conclusion of his junior year. All summer camp expenses, including travel incident thereto, are paid by the Government. While at camp the student is paid at the rate of \$78.00 per month. Total remuneration for the Advanced Course is about \$650.00.

Upon graduation, students who have completed the Advanced Course receive commissions as Second Lieutenants in the United States Army Reserve. Graduating students who have demonstrated leadership, scholarship and military aptitude to an outstanding degree may be designated "Distinguished Military Graduates." These selected individuals are afforded an opportunity to apply for a Regular Army Commission.

Once enrolled in either the Basic or Advanced Course successful completion of that course, to include Summer Camp for Advanced Course students, is a prerequisite for graduation from the college.

ROTC students meeting prescribed requirements may receive deferment from selective service after their first semester. In certain cases deferment may be continued while the student is engaged in post graduate study.

Students pursuing the 3-2 Engineering or Forestry Program, explained on pages 117-120, who complete the basic ROTC course at Wake Forest College may be considered for the Advanced Army or Air Force ROTC Course at the cooperating institution under the following conditions:

- a. To transfer to North Carolina State College Army ROTC, all necessary arrangements for entrance in the third or fourth year of ROTC may be accomplished through the Wake Forest College ROTC Department.
- b. To transfer to Duke University or North Carolina

State College Air Force ROTC for entrance in the Advanced Course:

(1) Be found physically qualified by an Air Force physician.

(2) Make satisfactory scores on the Air Force Officer Qualification test.

(3) Be recommended by the cooperating institution's AFROTC Advance Selection Board.

(4) Receive an Air Force production quota for the production period which the student wishes to enter.

(5) Make personal application for entrance to the appropriate institution during the third year at Wake Forest College.

The ROTC Cadet Corps is organized as a modified Regular Army unit to provide maximum opportunities for the exercise of leadership. It includes a Band and Drill Team. Both of these organizations receive special training and represent Wake Forest College in special events.

Students are furnished U. S. Army uniforms, ROTC textbooks and other military equipment without charge. A \$20.00 uniform deposit is required of each ROTC student. The deposit, less charges for loss or damages, is refunded at the end of the school year or upon withdrawal from the course.

The national honorary military societies of Scabbard and Blade and Pershing Rifles have chapters at Wake Forest College. Membership, on an elective basis, is open to ROTC cadets. In addition, the cadet band is affiliated with the National ROTC Band Association. Membership is open to all band members.

The ROTC Rifle Team competes with other colleges and universities each year; both shoulder-to-shoulder and postal matches are fired. This activity is recognized

as a minor sport at Wake Forest College. All practice firing and each match is supervised by a regular army instructor. The firing is conducted with modern small bore target rifles on an indoor range.

Following are the awards presented annually to ROTC cadets at Wake Forest College:

The President's Trophy. A trophy awarded by the President of Wake Forest College to a senior cadet for excellence in citizenship, scholarship, leadership and military science.

Superior Cadet Ribbon Award. The Superior Cadet Ribbon with certificate and lapel device is presented by the Department of the Army to the one outstanding cadet in each ROTC class recommended by the Professor of Military Science and the Dean of the College after a review of records by a faculty board.

ROTC Certificate of Meritorious Leadership Achievement. This award consists of an engraved certificate signed by the Commanding General, Third United States Army. It is presented to the graduating cadet selected by the President of Wake Forest College as having demonstrated throughout his ROTC career highest standards of discipline, initiative, stability, application, physical conditioning, mental and moral fibre and that he has achieved proficiency in the proper application of the principles of leadership.

The Professor of Military Science Award. A complete set of military insignia awarded to a graduating senior cadet for outstanding service to the ROTC Cadet Corps.

The American Legion ROTC Medal. Awarded by the

American Legion to a basic course cadet who has demonstrated outstanding qualities of military efficiency.

The "Minute-Man" Medal. The North Carolina Society, Sons of the American Revolution, awards a medal to one Advanced Course and one Basic Course cadet selected by the Professor of Military Science as outstanding in leadership, soldierly bearing, and academic excellence.

Association of the United States Army Medal. Awarded by the Association of the United States Army to the Advanced Course Cadet selected by the Professor of Military Science and the Dean of the College as outstanding in leadership, scholarship, and character.

The Reserve Officers' Association of the United States Award. The North Carolina Department of the Reserve Officers' Association of the United States presents a medal to an outstanding Advanced Course cadet selected by the Professor of Military Science. Certificates of Merit may also be awarded to other outstanding cadets selected by the Professor of Military Science.

Armed Forces Chemical Association Medal and Scroll. Awarded by the Armed Forces Chemical Association to a graduating cadet who excels in chemistry or an allied science and in military science.

U. S. Armor Association ROTC Award. The outstanding graduate choosing Armor as his basic branch is presented with a year's membership in the U. S. Armor Association and also receives a package of books from the Association.

The American Ordnance Award. The American Ordnance Association awards a Gold Scholarship Key to a graduating cadet selected by the Professor of Military Science and the Dean of the college as outstanding in leadership, scholarship, athletics, and who has been selected for assignment to the Ordnance Corps upon being commissioned.

Daughters of the American Revolution American Military History Award. The General Joseph Winston Chapter of the Daughters of the American Revolution annually awards the DAR History Medal and a book on American History to the cadet who has achieved the most outstanding record in American Military History.

Chicago Tribune Award. The Chicago Tribune awards medals to outstanding ROTC cadets each year. Two gold medals are presented to Advanced Course cadets and two silver medals are awarded to Basic Course cadets.

National Society of Scabbard and Blade Medal. Company L, Eleventh Regiment, National Society of Scabbard and Blade, Wake Forest College, awards a medal to one cadet in each ROTC class for outstanding ability in military science.

Pershing Rifle Trophy. Company D, Fourth Regiment, National Society of Pershing Rifles, Wake Forest College, awards a trophy to the Basic Course cadet adjudged the winner of the Annual Individual Drill Competition.

Distinguished Military Musician Award. This award, approved by the National ROTC Band Association, is

awarded each year by the PMS to the outstanding member of the ROTC Band for academic, military and musical excellence.

Marksmanship Qualification Badges. Sterling silver qualification badges are awarded to cadets who qualify in prescribed marksmanship courses with the caliber .22 rifle.

Marksmanship Trophies. Appropriate trophies are awarded to members of the ROTC rifle team with the highest scores in rifle team match firing.

Courses Offered

111, 112. *Military Science (First Year Basic)*

Includes a study of military organization; individual weapons and marksmanship; the United States Army and national security; and leadership. One hour theory, two hours leadership laboratory. (Plus academic subject, see *note* below). *Credit, 1 hour each semester*

151, 152. *Military Science (Second Year Basic)*

Includes a study of American military history; map and aerial photograph reading; introduction to basic tactics and techniques; and leadership. Two hours theory, two hours leadership laboratory. Prerequisite: Military Science 111 and 112.* *Credit, 2 hours each semester*

211, 212. *Military Science (First Year Advanced)*

Includes a study of leadership problems; military teaching principles; branches of the Army; small unit tactics and communications; and leadership. Cadets participate in a two-day field trip to Fort Bragg, N. C., during the second semester. Class meets 75 hours for the year; two hours per week leadership laboratory. (Plus academic subject, see *note* below). Prerequisite: Military Science 151 and 152.*

Credit, 2 hours each semester

251, 252. *Military Science (Second Year Advanced)*

Includes a study of operations; logistics; Army administration; military law; the United States in world affairs; service orientation; and

*Unless credit is given for previous military science or training.

leadership. Class meets 75 hours for the year; two hours per week leadership laboratory. (Plus academic subject, see *note* below)
Prerequisite: Military Science 211 and 212.*

Credit, 2 hours each semester

Note. For basic course students any course selected from the areas listed below of a minimum of two (2) credit hours taken either semester is required the first year to satisfy the basic course requirement.

For advanced course students any course selected from the areas listed below of a minimum of three (3) credit hours, and which is not a course required to satisfy the basic requirement of the major field of study, is required each year to satisfy the advanced course requirement. Satisfactory completion of each such course undertaken will be a prerequisite to commissioning.

Area I Effective Communication.

Area II Science Comprehension.

Area III General Psychology.

Area IV Political Development and Political Institutions.

The PMS will evaluate and approve elective subjects selected by the student.

Music

PROFESSOR McDONALD

ASSOCIATE PROFESSOR P. S. ROBINSON

ASSISTANT PROFESSOR GILES

INSTRUCTOR HUBER

VISITING TEACHERS ANDREW, DEINER, MADGE

EASLEY, LUCILLE S. HARRIS, HOCUTT, JACOBOW-
SKY, MEDLIN, WOLF

ARTIST IN RESIDENCE KALTER

It is strongly advised that a student who is considering music as a major field should indicate his intention to the department chairman as early as possible in his freshman year.

A major in this Department requires 36 hours divided

*Unless credit is given for previous military science or training.

between Applied Music (18-21 hours), Music Theory (9-12 hours, including Music 157, 158), and Musical Culture (minimum of 6 hours). In addition, the Music major must present a minimum of four hours resident *Ensemble credit and demonstrate performing ability in student recitals. At the discretion of the Music faculty a public recital will also be required. All Music majors are required to attend all faculty and student recitals. No student taking an Applied Music course may perform publicly without the permission of the instructor.

Students desiring State Teacher Certification in Music should note the requirement of 18 hours of Applied Music (including 6 hours of Piano and 6 hours of Voice) for the General Music Certificate and 21 hours of Applied Music (including a proficiency equivalent to Piano 4a) for the Instrumental Music Certificate.

Qualified Music majors are considered for admission to the honors program in Music provided they meet certain preliminary requirements and complete the academic requirements for the Music major with a minimum QPR of 2.3 in Music and an over-all minimum QPR of 2.0. Further requirements are: a memorized senior recital to include one lesser work assigned two weeks before the recital and prepared without the aid of the teacher; also the performance in the senior year of two additional memorized major works to be prepared without the aid of the teacher.

Applied Music candidates for honors must also present to the music faculty a lecture-recital on the tonal and structural analysis of the material in the senior recital three weeks before the recital. Music Education candidates must prepare a major score during the final semester, do the total rehearsing and conduct it in a public performance. All candidates must complete satisfactorily

*No student may register for more than one hour of Ensemble credit each semester. Not more than eight hours Ensemble credit will be counted toward graduation.

a comprehensive examination in the fields of music theory, music history, and music literature. When these requirements are met the department will recommend to the Committee on Honors that the candidate be graduated with "distinction in Music."

In the following curricula for Music majors only 40 hours of Music will be counted toward the 128 hours required for graduation.

Bachelor of Arts with a major in one of the following areas:

A. <i>Applied Music</i>	<i>hours</i>
Music 155, 156. Theory	6
Music 157, 158. Theory	6
Music 213. Counterpoint	2
Music 214. Composition, Form and Analysis	2
Music 233, 234. Music History	6
Applied Music. Principal Instrument	16
Music 109-116 Ensemble	4
	42
Non-Music	88
Total	130

B. <i>Church Music</i>	
Music 155, 156. Theory	6
Music 157, 158. Theory	6
Music 213. Counterpoint	2
Music 214. Composition, Form and Analysis	2
Music 229. Hymnology	3
Music 230. Church Music Literature	3
Music 231. Music in the Church	3
Music 233, 234. Music History	6
Applied Music. Organ and/or Voice	12
Music 111, 112, 115, 116. Ensemble	4
	47
Music (Education) 293. Voice Methods	1
Music (Education) 296. Choral Conducting	3
Additional non-Music	84
Total	135

Music

C. Instrumental Music Education

Music 155, 156. Theory.....	6
Music 157, 158. Theory.....	6
Music 213. Counterpoint.....	2
Music 214. Composition, Form and Analysis.....	2
Music 233, 234. Music History.....	6
Applied Music. Principal and Secondary Instrument....	21
Music 109, 110, 113, 114. Ensemble.....	4
	47
Education 291. Teaching of Instrumental Music.....	3
Music (Education) 295. Instrumental Conducting.....	3
Education (Additional Specified).....	15
Additional non-Music.....	67
Total.....	135

D. Choral Music Education

Music 155, 156. Theory.....	6
Music 157, 158. Theory.....	6
Music 213. Counterpoint.....	2
Music 214. Composition, Form and Analysis.....	2
Music 233, 234. Music History.....	6
Applied Music. Voice and Piano.....	18
Music 111, 112, 115, 116. Ensemble.....	4
	44
Education 292. Teaching of Choral Music.....	3
Music (Education) 293. Voice Methods.....	1
Music (Education) 296. Choral Conducting.....	3
Education. (Additional Specified).....	15
Additional Non-Music.....	66
Total.....	132

Music Theory

101. Fundamentals

A study of the rudiments of music and its terminology, scales, keys, intervals, chords, rhythms, abbreviations, embellishments and smaller forms as they apply to performance, vocally and at the keyboard. This course is primarily for students not majoring in music and for music majors (without credit) having a deficiency in music theory.

M W F 4

155, 156. *Theory*

Music reading as it applies to vocal and keyboard performance. Rhythms in scale and interval singing. Ear training based on chord study equal to diatonic harmony. Aural study of the basic forms. Prerequisite, Music 101 or equivalent.

M W F 7

157, 158. *Theory*

The study of triads, seventh and ninth chords and their inversions. Melody harmonization and practical composition involving modulation in the smaller forms.

M W F 5

211, 212. *Advanced Harmony*

The study of melody harmonization and composition in the smaller forms involving chromatic chords and non-harmonic tones. Analysis of passages drawn from standard literature. Prerequisite, Music 157, 158.

M W F 3

213. *Counterpoint*

Strict counterpoint in the five species with two to four voices. Also a study of the "free" or modern counterpoint. Prerequisite, Music 157, 158.

Hours to be arranged

Credit, 2 hours each semester

214. *Composition, Form and Analysis*

Study of practical composition involving harmonic and contrapuntal materials in small and large forms with analysis of standard works from folk and art song literature, chorales, piano and symphonic works. Special emphasis on complete analysis of works studied by the student for performance. Prerequisite, Music 157, 158, 213.

T Th 2

Credit, 2 hours

Music Culture

102. *Music Appreciation*

Open to all students desiring an understanding of music as an element of liberal culture and who wish to equip themselves for more intelligent appreciation and listening. The study of design and style, form,

Music

aural analysis, recognition of instruments and themes from the master works. Also integration of music study with the other fine arts and with historical progress. A survey of significant examples of the several types of musical compositions will be made through phonograph recordings. This course is primarily for students not majoring in music.

M W F 6

225, 226. *American Music*

English origins in the seventeenth century. America's first composers. National songs, Lowell Mason, Stephen Foster. Music of the Civil War. Folk music—its use by American composers. The newer developments in orchestral and choral music. Contemporary composers. Illustrative recordings.

M W F 3

227, 228. *Opera*

A survey of the development of the opera from its earliest form to the present. Representative works will be studied through the use of recordings.

M W F 3 (Alternates with Music 225, 226)

229. *Hymnology*

Early church hymnody. Latin and Greek contributions. The reformation chorale. English Psalmody and the English Hymn during the eighteenth and nineteenth centuries. A study of the great hymns and hymn tunes of the church including twentieth century hymns. Designed especially for ministerial students.

M W F 2

230. *Church Music and Literature*

A survey of the great oratorios, cantatas, anthems, and organ compositions of the church.

M W F 2

231. *Music in the Church*

The function of the church musician and the relationship of his work to the overall church program.

M W F 6

233, 234. *Music History*

A survey of the history, literature and meaning of music, aiming to stimulate an intelligent attitude toward the hearing and understanding of music and its social uses. Illustrative recordings.

M W F 7

*Methods

291. *Education—Teaching of Instrumental Music*

The development of Public School Instrumental Music; the selection and care of instruments; study of materials and methods; problems of interest and discipline; the development of routine; administrative methods and problems. Admission by permission of instructor. Prerequisite, Music 157, 158.

Hours to be arranged

Credit, 3 hours

292. *Education—Teaching of Choral Music*

The teaching and supervision of music in the public schools. The place of music in the cultural education of the adolescent, its relation to community life. Materials in choral and instrumental music. Methods and plans of organization. Admission by permission of instructor. Prerequisite, Music 157, 158.

Hours to be arranged

Credit, 3 hours

293, 294. *Voice Methods*

Survey of technic and repertoire materials with demonstration of their application and interpretation. Breath preparation and control, phonation, interpretation, and program building. Stage deportment as applied to the recital, oratorio, and music-drama fields. Organization and direction of vocal arts projects for studio, church school and community. Enrollment limited to students with adequate private voice instruction background. Twice weekly with assigned laboratory preparation.

Hours to be arranged

Credit, 1 hour each semester

295. *Instrumental Conducting*

Principles of band and orchestra conducting as they apply to school and community performance. Technique of the baton. Practical

*Each course in this division may count as either Music or Education, but choice must be indicated at time of registration.

Music

study of problems of instrumental conducting. Prerequisite, Music 157, 158.

M W F 4

Credit, 3 hours

296. *Choral Conducting*

A methods course in Conducting and Score Reading designed especially for the majors in Choral Music Education or Church Music. Admission by permission of instructor. Prerequisite, Music 157, 158.

Hours to be arranged

Credit, 3 hours

*Ensemble

109, 110. *Orchestra*

The study and performance of works from the classical and modern repertoire as well as concerti, oratorios, cantatas, operas and musicals.

T Th 5:00 P.M.

Credit, 1 hour each semester

111, 112. *Choir*

The study and performance of sacred and secular choral literature. This organization forms the chapel choir. A selected group forms the touring choir for out of town concerts.

T Th 4:00 P.M.

Credit, 1 hour each semester

113, 114. *Band*

Concert Band: the study and performance of the standard band repertoire in regular campus and public appearances including an annual tour. During the fall term credit is available only if the student is also a member of the Marching Deacons Band.

M W F 4:00 P.M.

Credit, 1 hour each semester

Varsity Band: this organization is for those students who lack the necessary time and proficiency to participate in the Concert Band. During the fall term credit is available only if the student is also a member of the Marching Deacons Band.

T Th 4:00 P.M.

Credit, 1 hour each semester

Marching Deacons Band: this organization performs for most of the football games and rehearses during the first half of the fall semester at the Concert Band time. Credit is available only if the student is also a member of the Concert or Varsity Band.

M W F 4:00 P.M.

*No student may register for more than one hour of Ensemble credit each semester. Not more than eight hours Ensemble credit will be counted toward graduation.

115, 116. *Accompanying*

The study of the elements of accompanying through class discussion and studio experience. One class meeting per week with three assigned laboratory periods.

Hours to be arranged

Credit, 1 hour each semester

Applied Music

Applied Music courses are open to all college students with the approval of the instructor. The following descriptions are suggested performance levels for the four years of study in the principal fields of concentration.

Lesson and Practice Schedule

Students enrolled in any Applied Music course will note the following schedule of *weekly* lessons and practice:

One lesson with minimum of five hours practice.

Credit, 1 hour each semester

One lesson with minimum of ten hours practice.

Credit, 2 hours each semester

Note: All examinations in Applied Music courses will be given by the Music Department faculty serving as a group and grades will be determined by this group.

Piano

111, 112.

Major and minor scales, dominant seventh and diminished seventh technic in root position and all inversions, quarter note at M.M. 84-88. Bach, Two Part Inventions; Mozart, Sonata K280; Beethoven, Sonata Op. 14, No. 1 or 2. Short Romantic and Contemporary compositions of the difficulty of the Chopin A-flat Prelude; technic studies as deemed necessary by the teacher.

113, 114.

Major and minor scales, dominant seventh and diminished seventh technic continued, quarter note at M.M. 100. Bach, Three Part Inventions; Beethoven, Sonata in C minor, Op. 10; Mozart, Fantasy in D minor; Chopin, Etude, Op. 10, No. 9; technic studies as deemed necessary by the teacher.

Music

211, 212.

Major and minor scales in 3rds, 6ths, 10ths, quarter note at M.M. 92-96. Bach, Well Tempered Clavier or French Suites; Beethoven, Op. 27, No. 1, or Op. 78; Chopin, Etude Op. 25, No. 4; technic studies as deemed necessary by the teacher.

213, 214.

Major and minor scales quarter note at M.M. 120-132 and in 3rds, 6th, 10ths, quarter note at M.M. 100-108. Bach, Well Tempered Clavier or English Suites; Beethoven, Op. 31, No. 2, or Op. 90; Brahms, Intermezzo Op. 117, No. 2; Chopin Etude Op. 10, No. 3; technic studies as deemed necessary by the teacher.

Organ

111, 112.

Manual and pedal technique; clarity in contrapuntal playing; Bach's Eight Little Preludes and Fugues; hymn playing.

113, 114.

Pedal scales; smaller Preludes and Fugues of Bach; Chorale Preludes; simpler works of more modern composers; hymn playing.

211, 212.

More difficult Bach Preludes and Fugues and Chorale Preludes; selected works by Mendelssohn, Franck, etc.

213, 214.

Larger Preludes and Fugues of Bach; Trio Sonatas; selected modern composers of all Schools; Widor, Vierne, Dupre, etc.

Voice

111, 112.

Establishment of correct breath and pronunciation habits through complementing physical and phonetic exercises. Clarity of diction, pitch poise, legato singing and consistent reference to *mezza voce* stressed. Early Italian, folk and folk-like songs in English.

113, 114.

Vocalises to induce more facility in the medium range. Studies in *messa di voce*, *portamenti*, and *grupetti* stressed. Repertoire to include moderately difficult arias of the Classic school and early Romantic art songs. Participation in student recitals.

211, 212.

Extended scales and arpeggi. Execution of vocal *fiortura*. Elimination of registers and an even-timbered quality throughout the range stressed. More difficult Classic arias, moderately difficult songs and arias of the Romantic school in original language. Participation in student recitals, oratorio and music-drama.

213, 214.

Attention to the development of individual style; selection and interpretation of repertoire best suited to the student's particular expression bent. More difficult songs and arias of all schools in original language. Senior Recital.

Orchestral and Band Instruments

The following instruments are designated by course numbers 111, 112, 113, 114, 211, 212, 213, and 214 corresponding to eight successive semesters.

<i>Flute</i>	<i>Trumpet</i>	<i>Violin</i>
<i>Oboe</i>	<i>French Horn</i>	<i>Viola</i>
<i>Clarinet</i>	<i>Trombone</i>	<i>Cello</i>
<i>Bassoon</i>	<i>Euphonium</i>	<i>Double Bass</i>
<i>Saxophone</i>	<i>Tuba</i>	<i>Percussion</i>

Studies of progressive difficulty covering tone production, scales, and technical studies, all articulations or bowings, embellishments, phrasing, etudes, solo and small ensemble repertoire, excerpts from band and orchestral literature and applied transpositions.

Secondary Courses

Piano 111a-114a.

All major and minor scales and I, IV and V7 chords and inversions. Improvisation of simple harmonizations of familiar songs.

Music

Sight-reading of community songs and hymns. Transposition of melodies with simple harmonic accompaniments. Study of appropriate standard piano literature.

137, 138. *Literature of the Piano*

A survey course designed to acquaint students with some of the teaching materials of the piano. Several large works from the standard repertoire will be studied in detail during the second semester.

Th 6

Credit, 1 hour each semester

143, 144. *Brass Instruments Class*

The fundamentals of playing and teaching all members of the Brass family. Twice weekly with a minimum of five hours practice.

Hours to be arranged

Credit, 1 hour each semester

145, 146. *String Instruments Class*

The fundamentals of playing and teaching all members of the String family. Twice weekly with a minimum of five hours practice.

Hours to be arranged

Credit, 1 hour each semester

147, 148. *Woodwind Instruments Class*

The fundamentals of playing and teaching all members of the Woodwind family. Twice weekly with a minimum of five hours practice.

Hours to be arranged

Credit, 1 hour each semester

149, 150. *Percussion Instruments Class*

The fundamentals of playing and teaching all members of the Percussion family. Twice weekly with a minimum of five hours practice.

Hours to be arranged

Credit, 1 hour each semester

151, 152. *Semi-Private Voice Class*

Classes will consist of at least four students each. Offered to qualified students interested in making a study of voice class materials, or, as preparation for the private voice courses. Minimum of five hours practice.

Hours to be arranged

Credit, 1 hour each semester

Applied Music Fees

Students enrolled for individual or class study in applied music as offered above will note the following schedule of semester fees, in addition to tuition, payable to the Treasurer not later than November 1 and March 1, respectively.

One hour lesson per week	\$72.00
One half hour lesson per week	40.00
Class instruction (maximum fee per student)	30.00
Practice studio (with piano) rental per semester (one hour daily)	6.00
Practice studio (with piano) rental per semester (two hours daily)	10.00
Organ practice per semester (one hour daily)	10.00
Organ practice per semester (two hours daily)	14.00
Other instrument rental per semester	5.00

Philosophy

PROFESSORS REID, HELM

INSTRUCTORS COBB, FREEMAN

The Spilman Philosophy Seminar, open to advanced students in Philosophy, was established in 1934 by an endowment, in perpetuity for the Department, of \$4,000 by Dr. Bernard W. Spilman. The income from the endowment is used to provide books for the seminar library which now contains about 3,800 volumes. In 1960, friends of the Department established the A. C. Reid Philosophy Fund. The annual income from this endowment is used to support the departmental library and to provide lectures on the "Relation of Philosophy to Christian Faith." The furniture of the Department was donated in honor of Mr. and Mrs. W. A. Hough by their children.

Philosophy

A major in this Department requires 24 credit hours, including Philosophy 221, 255, 259, 281, 282.

211. *Introductory Philosophy*

A course designed to introduce to the student the major systems of philosophy, from the early Greeks to the medieval period. Required of all candidates for the degrees of bachelor of arts and bachelor of science. Junior standing normally required; second semester sophomores admitted by departmental permission only.

M W F 1, 2, 3, 6; T Th S 1, 2

221. *Modern Philosophy*

A course designed to introduce the student to the major systems of modern philosophy, from the sixteenth through the nineteenth century.

M W F 2

231, 232. *Readings in Philosophy*

Approximately fifteen great books, in or closely related to philosophy, will be read each semester. Prerequisite, Philosophy 211 and special permission.

M W F 4

241, 242. *Seminar: Epistemology*

A comprehensive survey of philosophical conceptions of knowledge. Prerequisite, Philosophy 211 and 221, and junior standing.

T Th 6-7

Credit, 3 hours each semester

247, 248. *Plato and Aristotle*

Plato's dialogues and sections of Aristotle's works. Prerequisite, Philosophy 211.

T Th 4

251, 252. *Hegel and Spinoza*

Extensive readings and reports. Prerequisite, Philosophy 211.

T Th 6

255. *Philosophy of Religion*

A critical consideration of the philosophical aspects of religious thought. Prerequisite, Philosophy 211.

M W F 4

259. *Logic*

An elementary study of the laws of valid inference, recognition of fallacies, and logical analysis. Prerequisite, Philosophy 211.

M W F 3

263. *Ethics*

A critical study of the fundamental problems of morals. Readings in the ethical works of Western philosophers. Prerequisite, Philosophy 211.

M W F 7

267. *Medieval Philosophy*

An examination of the philosophy of the Middle Ages, concentrating especially in the thought of Christian Scholastics, involving also a study of the works of Moslem and Jewish scholars of the period. Prerequisite, Philosophy 211.

Three hours to be arranged

271. *Contemporary Philosophy*

A study of systems of philosophical thought of the twentieth century, with emphasis upon their origins and distinctive characteristics. Prerequisite, Philosophy 211.

M W F 6

281, 282. *Seminar: Ancient and Modern Philosophy*

A careful examination of ancient and modern types of philosophy. Prerequisite, Philosophy 211 and 221 and special permission.

T Th 1-2

Credit, 3 hours each semester

Physical Education

PROFESSORS BARROW, DODSON

ASSOCIATE PROFESSOR HOOKS

ASSISTANT PROFESSOR CRISP

INSTRUCTORS BARRON, CASEY, ELLISON, JORDAN,
STALLINGS

The purpose of the Department of Physical Education is to organize, administer and supervise the following programs: (1) REQUIRED PHYSICAL EDUCATION

Physical Education

PROGRAM consisting of conditioning activities, varied team and individual sports, special corrective and remedial instruction to all students with physical problems according to the individual's need, and to teach some basic information on posture and body mechanics, physiological principles, and practical health facts which must be observed to maintain a state of health and physical fitness. (2) INTRAMURAL SPORTS PROGRAM which allows all students to participate and specialize in varied individual and team sports which will be of lifelong benefit. (3) SUPERVISED RECREATION PROGRAM consisting of varied recreational and leisure time activities. (4) PROFESSIONAL CURRICULUM PROGRAM which will offer the necessary training for those interested in the fields of Health, Physical Education, Recreation and Athletic Coaching.

Required Physical Education

Physical Education 111 and 112 are required of all freshmen and transfer students who have not complied with this requirement. For those men enrolled in ROTC, Physical Education 111 and 112 requirement may be postponed until the sophomore year but must be completed by the end of that second year of attendance in Wake Forest College. *Not more than four hours of required or elective physical education may be counted toward graduation.*

111-112. *Physical Education*

A basic course consisting of body mechanics, basic health and physiological principles, aquatics, team sports, rhythmic activities, and individual and dual sports designed to develop fundamental skills. Students' needs and interests will be met by allowing controlled election of selected activities based upon the results of a standardized proficiency examination and/or previous experiences.

Credit, 1 hour each semester

111-112. *Physical Education (Special)*

A course consisting of remedial instruction or non-activity units of study for students with special problems, handicaps or medical excuses.

Hours to be arranged

Credit, 1 hour each semester

Elective Physical Education

For those students who wish to specialize in sports activities beyond the requirement, a varied sports program is offered. Any two of the courses listed below may be elected for credit toward graduation. Prerequisite, Physical Education 111-112.

Hours to be arranged

Credit, 1 hour each

- | | |
|--|---------------------------------------|
| 160. Golf | 167. Advanced Swimming |
| 161. Badminton; Tennis | 168. Life Saving; Water Sports |
| 162. Creative Rhythms | 169. Weight Training and Conditioning |
| 163. Creative Dance | 170. Handball; Squash Rackets |
| 164. Gymnastics; Tumbling | 171. Equitation; Fencing |
| 165. Archery; Bowling | |
| 166. Beginning and Intermediate Swimming | |

Courses for Major Students

Students desiring to elect a major in Health and Physical Education and to satisfy the State requirements for a teaching certificate must be of Junior standing, and will be required to have the following courses: Biology 111, 112; three (3) hours in Physiology of Exercise; and three (3) hours in Human Anatomy. In addition to the above required foundation sciences a minimum of 29 hours is required in Health and Physical Education as follows: 151, 152, 251, 254, 255, 256, 258, 261, 292, and a minimum of five courses in five different areas of the following applied technique courses: 220, 221, 222, 223,

224, 225, 226, and 227. Courses 222 and 223 are classified as one area.

Physical Education majors with superior records are considered by the department for admission to the honors program in Physical Education. These students must meet certain criteria which have been established by the department, earn a QPR of at least 2.0 on all college work and 2.3 on all hours required for the major in Physical Education, participate satisfactorily in Physical Education 281, and pass a comprehensive written examination. Upon satisfactory completion of these requirements, they will be recommended for graduation with "distinction in Physical Education."

Physical Education major students who are considering graduate study should take Physical Education 281, *Research in Physical Education*, as one of their elective courses.

151-152. *Physical Education*

Required courses for major students in Physical Education consisting of various physical education activities which are essential to a well rounded program.

Hours to be arranged

Credit, 1 hour each semester

220. *Methods, and Materials in Tumbling, Stunts, and Gymnastics*

Credit, 2 hours

221. *Methods and Materials in Group Games of Low Organization*

M W F 4

Credit, 2 hours

222. *Theory of Coaching Baseball and Basketball*

Credit, 2 hours

223. *Theory of Coaching Football and Track*

Credit, 2 hours

224. *Individual Sports*

Credit, 2 hours

225. *Team Sports*

Credit, 2 hours

226. *Aquatics*

Credit, 2 hours

227. *Methods and Materials in Dance*

Credit, 2 hours

251. *Principles of Physical Education and Recreation*

A general introductory course and orientation to Health, Physical Education and Recreation and its relation to general education and the present organization of society.

M W F 1

252. *Human Anatomy*

A course designed to meet the needs of students in Physical Education in which the basic principles of human anatomy are a requisite for a working knowledge of the human body.

T Th S 2

253. *Physiology of Exercise*

This course presents the many effects of muscular activity on the processes of the body which constitutes the scientific basis of Physical Education.

M W F 1

254. *First Aid—Safety—Athletic Injuries*

A course in safety education and prevention of accidents with practical application of first aid and treatment of minor athletic injuries.

T Th S 2

255. *Individual Physical Education*

A course in body mechanics and kinesiology dealing with a program for all handicapped and special problems in Health and Physical Education.

T Th S 1

Physical Education

256. *Evaluation and Measurement in Health and Physical Education*

A course in measurement techniques to determine pupil status in established standards of Health and Physical Education which reflect the prevailing educational philosophy.

T Th 1

Credit, 2 hours

258. *Organization and Administration of Health and Physical Education*

A course in problems and procedures in Health and Physical Education and the administration of an interscholastic athletic program.

M W F 3

261. *Problems in Health Education*

This course presents methods and materials for the teaching of health and the current research in the field.

M W F 2

271. *Recreation Leadership*

This course emphasizes the various theoretical and practical aspects of leadership in various types of recreation.

M W F 3

276. *Organization and Administration of Recreation*

A course in recreational problems and the administration of the several types of recreation.

M W F 3

281. *Research in Physical Education*

An advanced course devoted to a study of research techniques in physical education and the preparation of an original project. This course is open only to senior major students with superior records.

To be arranged

Credit, 2 hours

292. *Education—Teaching of Health and Physical Education**

A course for students in the field of Health and Physical Education where emphasis is placed on the fundamentals of teaching, laws of learning and other essentials.

M W F 2

*Required Education course in major field counting toward Education requirement.

Physics

PROFESSOR TURNER

ASSOCIATE PROFESSORS SHIELDS, GEORGE P.

WILLIAMS, JR.

ASSISTANT PROFESSOR BREHME

INSTRUCTOR YANCEY

In addition to the courses prescribed by the College, the requirements for a B.S. Degree with a major in Physics are a minimum of 32 hours of Physics which must include courses 111, 112, 151, 152, 211, 212; 311, 312, 322; Chemistry 111, 114 and Mathematics through differential equations.

Highly qualified Physics majors are considered by the Department for admission to the honors program in Physics. They must meet certain preliminary requirements, earn a QPR of not less than 2.0 on all college work and 2.3 on all work in Physics, complete satisfactorily Physics 381 and pass a comprehensive written examination. They are then graduated with the designation of "distinction in Physics." For additional information consult members of the Physics staff.

The following is a suggested schedule for Physics majors. Electives must be chosen in consultation with the major adviser. Military Science may be taken in addition to the courses listed.

<i>Freshman Year</i>		<i>Sophomore Year</i>	
Physics	111, 112	Physics	151, 152
Mathematics	105, 111	Mathematics	112, 113
English	111, 112	Chemistry	111, 114
History	111, 112	English	151, 152
*Language	111, 112	Language	151, 152
Physical Education	111, 112		

*German preferred, French allowed.

Physics

<i>Junior Year</i>		<i>Senior Year</i>	
Physics	211, 212	Physics	311, 312
Mathematics	251, 311	Physics	322
Religion	111, 112	Philosophy	211
Political Science or Business	151, 152	Electives	
Administration	213, 214		

105. *Descriptive Astronomy*

An introductory study of the universe from the solar system to the galaxies, with discussions of the celestial sphere and celestial navigation. Several class meetings are scheduled in the evening for purposes of observation.

Credit, 3 hours

111, 112. *General Physics*

A basic course for freshmen and sophomores including the elements of mechanics, properties of matter, wave motion, sound, heat, electricity and magnetism, light, and some of the recent developments in physics. Three hours lecture, two hours laboratory. Upperclassmen may elect this course but will be given additional assignments.

Credit, 4 hours each semester

151, 152. *Mechanics, Wave Motion and Heat*

The fundamental principles of mechanics, wave motion, and heat, including the study of equilibrium, motion in a straight line and in the plane, conservation laws, simple harmonic motion, gravitation, fluid dynamics, wave motion, and thermodynamics. Calculus is a co-requisite. Three hours lecture both semesters, two hours laboratory second semester.

Credit, 3 hours each semester

154. *Mechanics, Heat and Wave Motion Laboratory*

Classical experiments are performed with special attention given to treatment of data and analysis of errors.

Credit, 1 hour

211, 212. *Electricity*

The first semester includes a study of electric fields and potentials, electrical properties of matter, magnetic fields, circuit theory, and electromagnetic waves. The second semester is a study of the optics of the electromagnetic spectrum, including reflection, refraction, interference, diffraction and absorption; atomic and nuclear physics with an introduction to quantum mechanics and the free electron theory. Prerequisite, Physics 151 or by permission of the instructor.

Credit, 4 hours both semester

230. *Electronics*

Elements of electron theory including a study of electrons in vacuum tubes and semi-conduction devices. An analysis is made of basic circuits including amplifiers, oscillators, scalars, and those circuits used in basic research. Prerequisite, Physics 211. *Credit, 4 hours*

301, 302. *Advanced General Physics*

A course designed primarily for science teachers and includes mechanics, wave motion and sound, thermodynamics, electricity, optics, and selected topics in atomic and nuclear physics. Credit is not allowed for graduate students in the Department of Physics. Prerequisite, Mathematics 105. Three hours lecture

Credit, 3 hours both semester

311. *Classical Mechanics*

Selected topics in dynamics including the motion of a system of particles, rigid bodies, and a particle under the action of a central force. This course also includes a study of accelerated reference systems, LaGrange and Hamilton equations, vibrating systems, normal coordinates, vibrating strings and wave motion. Prerequisites, Physics 152, Mathematics 251. *Credit, 3 hours*

312. *Electromagnetic Theory*

A study of the basic equations of electromagnetism with emphasis on the meaning and application of Maxwell's equations. Prerequisite, Physics 211, Mathematics 251. *Credit, 3 hours*

322. *Advanced Laboratory*

Experimental work of an advanced nature on topics in heat and thermodynamics, mechanics, atomic and nuclear physics; and an investigation performed individually under the personal direction of a member of the staff on a current research project in the department. Registration by permission only. *Credit, 3 hours*

336. *Atomic and Molecular Physics*

A treatment of radiation and matter, ionization and excitation of atoms, atoms and the periodic table, atomic and molecular spectra, and interatomic and intermolecular forces. *Credit, 3 hours*

341. *Quantum Mechanics*

An introduction to probability waves, the uncertainty principal, the Schroedinger wave equation, eigenvalues, angular momentum, matrix formulation, identical particles and spin. *Credit, 3 hours*

Physics

351. *Thermodynamics and Statistical Physics*

A study of heat transfer, the laws of thermodynamics, and change of state. An introduction to the kinetic theory of molecular motion, including velocity and density distribution functions, equations of state, and fluctuations considered from the quantum and classical approach. *Credit, 3 hours*

381. *Research*

Library, conference, and laboratory work performed on an individual basis. Open only to students with a superior record. Six hours a week. Prerequisite, permission of the staff. *Credit, 2 hours*

Courses for Graduate Students

412. *Classical Mechanics*

A study of variational principles and LaGrange's equations, the rigid body equations of motion, the Hamilton equation of motion and canonical transformations, Hamilton-Jacobi theory and applications to continuous systems and fields. *Credit, 3 hours*

413. *Electromagnetism*

A study of Maxwell's equations, boundary value problems for the electromagnetic field, and radiation; the ponderomotive equation for the charged particle. *Credit, 3 hours*

442. *Quantum Mechanics*

A study of the solutions of Schroedinger's equation, properties of angular momentum, matrices and applications in quantum theory, perturbation theory, scattering problems, and interactions with electromagnetic radiation. *Credit, 3 hours*

452. *Solid State Physics*

An introductory course including the structure of perfect crystalline solids and their thermal, electronic and magnetic properties, the free electron and the band theory of metals, imperfect crystals, transport properties and semiconductors. *Credit, 3 hours*

461. *Nuclear Physics*

An advanced treatment of the properties of nuclear particles and their interactions with matter, theories of nuclear structure and

Political Science

reactions, fission, neutron-proton scattering, deuteron binding, the compound nucleus, beta decay, and the theory of mesons.

Credit, 3 hours

480. *Special Theory of Relativity*

A study of the covariant formulation of physical laws in mechanics and electromagnetism.

Credit, 3 hours

491, 492. *Thesis Research*

Credit, 3 hours each semester for two semesters

Political Science

PROFESSOR RICHARDS

*ASSOCIATE PROFESSOR JUMPER

ASSISTANT PROFESSORS ANDERSON, †GREGG, STILLSON

INSTRUCTORS GATLIN, TABIBIAN

The major in Political Science is 30 hours and must include either Political Science 151, 152 or Political Science 153, 154. The remaining 24 hours in the major and 18 hours of required work in related fields are selected by the student and the Political Science adviser. Political Science 151 or 153 is prerequisite for all other courses in the field. Students of demonstrated ability, however, may be admitted to advanced courses, without this prerequisite, with the written approval of their major adviser and the instructor concerned.

Highly qualified Political Science majors are considered by the Department for admission to the honors program in Political Science. They must meet certain preliminary requirements, earn a QPR of not less than 2.0 on all college work and 2.3 on all work in Political Science, complete satisfactorily a senior research project, and pass a comprehensive written examination. They are then graduated with the designation of "distinction

* On leave, 1962-1963.

† On leave, Fall, 1962.

in Political Science.” For additional information consult members of the Political Science staff.

Introductory Courses

151, 152. *Government and Politics in the United States*

A survey course in the origins and characteristics of American political institutions at the national, state, and local levels and the problems and policies of American government in the areas of public finance, regulation of business, agriculture, labor, social welfare, national defense, and foreign affairs.

Credit, 3 hours each semester

153. *Comparative Politics: The Democracies*

A course devoted to the study of government and politics in democratic societies. The meaning of democracy will be analyzed, and the various patterns and practices of democratic societies and governments will be considered. Illustrative material will be drawn from such states as the United Kingdom, France, Sweden, and the United States.

Credit, 3 hours

154. *Comparative Politics: Authoritarian States*

A course devoted to the study of government and politics in authoritarian societies. Special attention will be devoted to the Communist ideology and its application in the Soviet Union and China. The prospects for democracy and authoritarian rule in the developing countries will also be analyzed.

Credit, 3 hours

American Government

211. *American Political Parties*

A study of the organization and functions of parties and pressure groups in American politics, methods of nominating candidates for public office, problems of American suffrage, campaign techniques, and the administration of elections.

Credit, 3 hours

213. *Public Administration*

An introductory study of the place of administration in the governmental process with special emphasis on the concepts of administrative organization, methods of administrative control, personnel and fiscal management. Current problems and developments are stressed. This course may count as Political Science or Business Administra-

tion, but not both. At the time of registration the student must determine in which field credit is desired. *Credit, 3 hours*

216. Government and the Economy

An examination of the role of government in the American economy. Primary attention will be given to historical, legal, and political aspects of government policies in regard to monopoly, agriculture, and labor. Selected problems in other areas of interest will also be considered. *Credit, 3 hours*

218. The Legislative Function and Policy Formation

A survey of the legislative function in government. Topics considered include the theory of representative government; legislative structure, organization, and procedure; party organization and influence in legislative bodies; the influence of pressure groups and lobbying in the legislative process; relationships between legislatures and other branches of government. *Credit, 3 hours*

221. Problems in State and Local Government

An advanced course in which selected problems of state, county, municipal, and metropolitan governments are given intensive consideration. Special emphasis is given to the state of North Carolina and its subdivisions. *Credit, 3 hours*

222. Urban Government and Politics

A study of government and politics in the American city and metropolitan communities. Special attention will be given to historical developments, forms and structure of government, state-city relations, political control and power structures, functional activities, and the problem of the suburbs. *Credit, 3 hours*

225, 226. American Constitutional Law

A study of the American constitutional system as interpreted and developed through judicial interpretation. The first semester is devoted to a consideration of the Supreme Court as an institution of government, its structure and function in the American political process, and court decisions affecting the three branches of the national government and the nature of the federal system. The second semester is devoted to a study of decisions affecting civil rights, with special emphasis on such topics as freedom of speech, press, religion, and assembly; substantive due process of law; equal protection of the laws; and procedural rights granted the criminally accused. *Credit, 3 hours each semester*

Comparative Government

231. *Great Britain and France*

A comparative study of the government and political culture of Great Britain and France. *Credit, 3 hours*

232. *The Soviet Union and Germany*

A comparative study of the governments and political culture of the Soviet Union and Germany. *Credit, 3 hours*

234. *France and the French Union*

A study of French colonial problems and the political relationships between the members of the French Union. *Credit, 3 hours*

236. *Government and Politics of Latin America*

A comparative study of the political ideas, institutions, and processes of the Latin American republics. *Credit, 3 hours*

239. *Introduction to the Political Culture of China and Japan*

Attention will be given in this course to the development of the political thought and political institutions of East Asia with primary emphasis on China and Japan. While principal consideration will be given to the modern period, considerable time will be devoted to the traditional background. *Credit, 3 hours*

240. *Government and Politics of Southeast Asia*

A study of the governmental systems of Burma, Thailand, Laos, Cambodia, Viet Nam, Malaya, and Indonesia. Special emphasis will be placed on the nature, role, and organization of political parties and the influence of non-political factors on political processes. *Credit, 3 hours*

242. *The Middle East*

A study of the political ideas, institutions, and processes in selected countries of the Middle East. *Credit, 3 hours*

245. *Government and Politics of South Asia*

A course devoted to the study of the governments of India, Pakistan, Nepal, and Ceylon. Special attention will be given to political organizations, party structures, and provincial and local governmental systems. *Credit, 3 hours*

International Politics

251. *International Relations: Principles and Organization*

A study of the techniques and policies utilized by nations in their relations with each other. Special consideration is given to the concept of power politics, the role of international law and organization, and the patterns of diplomatic practice. *Credit, 3 hours*

252. *International Relations: Current Problems*

A study devoted to causes behind, national attitudes toward, and attempted solutions of selected problems in the current international scene. Consideration will be given to such subjects as disarmament, controls for outer space, the underdeveloped areas, and national self-determination. *Credit, 3 hours*

253. *The United Nations*

A study of the United Nations, its historical antecedents in international organization, its structure, and its functions. Special consideration is devoted to bloc politics, to the performance of the United Nations in selected crises, and to its continuing activity in non-political or functional areas. *Credit, 3 hours*

254. *American Foreign Policy*

A study of the role of the United States in the contemporary world, with attention to foreign policy-making machinery, the interplay of foreign and domestic policy questions, the style and the substance of American foreign policy. *Credit, 3 hours*

Political Theory

261. *Political Theory: Ancient Greece through the Eighteenth Century*

A study devoted to the reading and discussion of selected writers in political theory from ancient Greece to the French Revolution. Special attention is given to Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, and Burke. *Credit, 3 hours*

262. *Political Theory: Nineteenth and Twentieth Century*

A study devoted to the reading and discussion of selected writers in modern political thought. Special consideration will be given to Mill, Hegel, Marx, Engels, Lenin, and the theorists of Democratic Socialism and the Welfare State. *Credit, 3 hours*

Psychology

264. *American Political Thought*

A study of the origins and uses of political ideas in the United States, with emphasis on recent and contemporary theory. *Credit, 3 hours*

Research

281, 282. *Research in Political Science*

An advanced course devoted to extensive reading and research in the field of Political Science. Admission to the course is by permission of the Department only. On the average, class meetings will be held three hours each week. *Credit, 3 hours each semester*

Psychology

PROFESSOR JOHN E. WILLIAMS

ASSOCIATE PROFESSORS BECK, DUFORT

ASSISTANT PROFESSOR DAVID A. HILLS

The Department presents Psychology as one of the life sciences, since the basic subject matter and point of view are biological, and as one of the behavioral sciences, with applications of psychological methods to human-social fields. Psychology 151 is prerequisite for all other courses. A student majoring in the Department will be expected to complete 30 hours of work, including courses numbered 211, 212, 223; 241 or 244 or 252; 256 or 262 or 266.

Highly qualified Psychology majors are considered by the Department for admission to the honors programs in Psychology. Admission to this program normally occurs in February of the junior year. Successful completion of the program with the designation "distinction in Psychology" requires that the candidate earn a minimum QPR of 2.3 on all work in Psychology and 2.0 in all other academic work; complete satisfactorily a special sequence of courses including Psychology 281,

282 and 284; and pass a comprehensive written and/or oral examination. For further information consult members of the Psychology faculty.

151. *Introductory Psychology*

A systematic survey of Psychology as a natural science. Sophomore standing required. Three hours lecture-demonstration. Prerequisite to all other courses in Psychology. *Credit, 3 hours*

211, 212. *Introduction to Experimental and Quantitative Methods.*

An introduction to classical and contemporary problems in psychological research, general methods and techniques used in their solution, elementary psychological statistics and their applications. Two hours lecture, four hours laboratory. *Credit, 4 hours each semester*

213. *Psychological Statistics*

Since the statistical procedures are applicable to either populational or experimental data, this course may count as either Psychology or Sociology, but not both. At the time of registration the student must determine in which field credit is desired. Not to be taken by one who has taken Psychology 211, 212. One who takes this course may not receive credit in Bus. Ad. 368, Math 357, 358, or Sociology 280. Two hours lecture, two hours laboratory. *Credit, 3 hours*

223. *History and Systems of Psychology*

After noting some psychological concepts in ancient and early modern thinking, this course places major emphasis upon nineteenth and twentieth century developments in Germany, France, Britain, Russia, and America. For junior and senior majors, and others upon consent of the instructor. Three hours lecture. *Credit, 3 hours*

224, 225. *Advanced Theory and Method*

Advanced level courses emphasizing current problems which are being attacked experimentally and theoretically. The journal literature will furnish an important source of material for group discussion, in seminar fashion. 224. *Sensation and Perception*. 225. *Learning and Motivation*. Typically only one of the courses will be offered in a particular year. Prerequisites: Psychology 211, 212.

Credit, 3 hours each semester

231. *Comparative Psychology*

A survey of the evolution of behavior and essential morphology from protozoa to primates. Experimentation on simple (reflex) and complex (learning) functions of the white rat and other available forms. Two hours lecture, two hours laboratory. *Credit, 3 hours*

232. *Physiological Psychology*

Integrative and reactive (neural and chemical) functions of the human body as they involve structures in the receptive, the reactive, and the central phases of action, emotion, and thought. Two hours lecture, two hours laboratory. *Credit, 3 hours*

241. *Psychology of Adjustment*

Analysis of the principles by which habits and patterns of adjustment are learned and maintained, particularly as these principles have application to the emotional and social adjustment of the normal individual. Intended primarily for students not majoring in Psychology. Not to be taken by one who has taken Psychology 244. Three hours lecture. *Credit, 3 hours*

244. *Abnormal Psychology*

Descriptive analyses of the major mental disorders with a canvassing of attempts at interpretation, and major types of therapy. Some observation of cases will be attempted. Three hours lecture. Enrollment upon consent of instructor. *Credit, 3 hours*

252. *Psychological Appraisal*

An introduction to the theory and techniques of psychological appraisal with particular emphasis on psychological tests. The course includes the demonstration of various appraisal techniques but is not intended to train the student as a practitioner. Two hours lecture, two hours laboratory. *Credit, 3 hours*

256. *Personality Theory and Research*

An introduction to classical and contemporary theories of personality and a comparative evaluation of major theories in terms of relevant research studies. The journal literature is used to introduce the student to research problems and methodology in this area. Three hours lecture. *Credit, 3 hours*

262. *Social Psychology*

Interest will be centered on investigative methods in main areas, such as socialization of the individual, group dynamics, individual

differences, attitude and opinion measurement. Two hours lecture, two hours laboratory. *Credit, 3 hours*

266. *Developmental Psychology*

A survey of the maturational and behavioral development of the human from neonatal stages through old age. The emphasis will be placed upon the interaction of physical, psychological, and social factors in human development. Two hours lecture, two hours laboratory. *Credit, 3 hours*

273. *Psychology of Business and Industry*

Psychological principles and methods applied to problems commonly encountered in business and industry. Three hours lecture. *Credit, 3 hours*

281, 282. *Original Problems*

Research problems to be attacked experimentally or statistically by students majoring in the department. Emphasis is placed on independent work with only guidance from the instructor. It is expected that 281 and 282 will be taken in that order. Credit for either semester alone requires special approval of the instructor. Four hours laboratory. Prerequisites: Psychology 211, 212, consent of instructor. *Credit, 2 hours each semester*

284. *Honors Seminar in Psychology*

A one-semester seminar, designed for the superior student, exploring in depth some of the more challenging concepts in classical and contemporary psychology. Primarily for juniors who are candidates for distinction in psychology but open to others by permission of the instructor. *Credit, 3 hour*

Religion

PROFESSORS GRIFFIN, ANGELL, BRYAN, EASLEY, E. W.
HAMRICK, HERRING

ASSOCIATE PROFESSORS DYER, VIA

ASSISTANT PROFESSOR MITCHELL

The Department of Religion offers courses in instruction designed to give every student entering Wake Forest an opportunity to acquire at least an introduction to the life, literature and the most important movements in the field of religion. It also seeks to give to students preparing for specialized service, as religious education

Religion

directors, ministers, and missionaries, the foundational courses needed for further study.

Six hours in Religion are required for all degrees. These may be taken from the offerings of the Department in the Biblical field as follows: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.

A major in Religion requires 30 credit hours—at least 12 hours in Biblical studies and the remaining hours from other offerings of the Department. At least half of the 30 hours must be in courses numbered 200 or above.

A major in Religious Education requires 30 credit hours—12 hours in Biblical studies and 18 hours selected from the following: Religion 240, 241, 245, 247, 248, 256, 264, 271, 292; Music 229, 230.

Pre-seminary students are advised to include in their program of study, in addition to courses in Religion, courses in Philosophy, Ancient History, Public Speaking, and two languages, Greek or Latin, and German or French.

Majors in Religion who have completed three courses in the Department with a QPR of 2.3, and an overall QPR of 2.0 on all college work, may apply to the Chairman of the Department for admission to the honors program by midterm of the first semester of the candidate's junior year. Upon completion of all the requirements, the candidate will be graduated with the designation of "distinction in Religion." For further information consult members of the Religion Department.

Biblical Studies

111. *Introduction to the Old Testament*

A survey of the Old Testament designed to introduce the student to the history, literature and religion of the ancient Hebrews.

Credit, 3 hours

112. *Introduction to the New Testament*

A survey of the environment, literature and thought of the New Testament intended to introduce the student to the significance of the ministry of Jesus and the origins of the Christian Church. Prerequisite, Religion 111. *Credit, 3 hours*

113. *The Hebrew Prophets*

A study of the background, personal characteristics, function, message, contribution, and present significance of the Hebrew prophets. Prerequisite, Religion 111. *Credit, 3 hours*

115. *The Life and Teachings of Jesus*

A study of the life and teachings of Jesus as they are presented in the Gospels; purpose, to acquaint the student with the environment, personality, work and message of the historical Jesus. Not open to students who have credit for a New Testament survey course. Prerequisite, Religion 111. *Credit, 3 hours*

116. *The Life and Teachings of Paul*

A survey of the life and teachings of Paul as they are given in Acts and in the Epistles; special consideration to Paul's contribution to the expansion and the literature of Christianity. Not open to students who have credit for a New Testament survey course. Prerequisite, Religion 111. *Credit, 3 hours*

117. *The Bible Through the Ages*

A study of the beginnings, development, and transmission of the Bible with special attention to the formation of the canon and the history of Biblical translation. Prerequisite, Religion 111. *Credit, 3 hours*

214. *Introduction to Biblical Archaeology*

A survey of the contributions of Near Eastern archaeology to Biblical studies. Prerequisite, Religion 111.
M W F 7

215. *The Narrative Literature of the Old Testament*

A study of the narrative books of the Old Testament from Genesis through Esther, with special emphasis upon the historical development of the literature and the religious purpose of the authors. Prerequisite, Religion 111.
T Th S 2

Religion

216. *The Poetic Literature of the Old Testament*

A study of Job, Psalms, Proverbs, Song of Solomon, Lamentations, with some attention to scattered poems in other Old Testament books. Prerequisite, Religion 111.

T Th S 2

S217. *Ancient Israel and Her Neighbors*

A comparative study of ancient Near Eastern cultures and religions, with special emphasis on Israel's relationships with surrounding peoples.

221. *An Introduction to New Testament Thought*

A consideration of the major developing themes of the New Testament as they are seen to grow out of the proclamation of the earliest church. Prerequisite, Religion 111.

M W F 2

222. *Johannine Literature*

A thorough consideration of the Gospel of John, First John, and Revelation. Prerequisite, Religion 111 and 112.

M W F 2

225. *New Testament Literature*

A study of the books of the New Testament with special emphasis upon the purpose, religious teachings, and general content of each book. Prerequisite, Religion 111.

M W F 1

227. *Major Epistles of Paul*

A thorough consideration of two of Paul's major epistles to be chosen from the following: Romans, 1 Corinthians, 2 Corinthians, Galatians, and Colossians. Prerequisite, Religion 111 and 211.

M W F 2

Christian Ethics

231. *Biblical Ethics*

The development of ethical monotheism in the Torah and prophetic writings, its fulfillment in the love ethic of Jesus, and its application in the Early Church under the guidance of Paul.

M W F 4

234. *Christianity and Society*

An exposition of the ethical teachings of Jesus relating to society; special attention to the application of Christian principles to the social problems of the Southeastern States.

T Th 6-7

236. *Church and Community*

An examination of the basic needs and trends of the contemporary community, especially the rural and suburban, in the light of the Christian norms for "the good community" (*koinonia*); the strategy of the church in constructive community relations.

T Th 6-7

Religious Education

240. *Theory of Religious Education*

A study of the nature and meaning of religious education with emphasis upon the basic foundations in religion and education. Attention is given to various viewpoints about learning; to objectives; to a consideration of curriculum.

M W F 3

241. *Administration of Religious Education*

The aim of this course is to prepare students for practical leadership in the educational work of the churches. Emphasis is laid upon the church school and other auxiliary agencies, through which the churches carry on their program of education, and upon practical methods of organizing and administering such a program.

M W F 2

245. *Psychology of Religion*

An examination of the psychological elements in the origin, development, and expression of religious experience. Informal lectures and class discussions on assigned readings.

M W F 5

247. *The Religious Education of Children*

Designed as an introduction to the study of child development and its significance for the home and church in regard to religious education. The course deals specifically with age groups from the nursery through juniors.

M W F 7

248. *The Religious Education of Young People and Adults*

A study of growth and development from adolescence through adulthood, with emphasis on the role of home and church as religious educators.

M W F 7

254. *Life and Work of the Minister*

A study of the Christian ministry designed to help the student prepare himself for this calling. Pastoral duties, ministerial ethics, and other related functions will be studied.

M W F 3

256. *Polity and Worship in American Religious Life*

A comparative study of the organization and worship of the major religious bodies in the United States today, including a brief examination of historical roots.

M W F 4

292. *Teaching of Religion—Methods and Materials*

A study of the principles and purposes of method and of the use of methods and materials in the field of religious education especially as it is related to the work within the local church and community. This course may be credited as Education for those who are applicants for a state teacher's certificate in religious education.

T Th 7-8

Historical and Theological Studies

261. *World Religions*

The place of religion in life and the origin, nature, and accomplishments of the living religions of the world, studied from the historical point of view.

T Th 4-5

264. *The History of Christianity*

A rapid survey of the history of the Christian Church with particular attention to Baptist policy and principles and the missionary movement of the last two centuries.

T Th 4-5

271. *Biblical Doctrines*

A systematic study of the principal doctrines of Christianity as they are found in the Bible, such as Revelation, God, the Trinity, the Incarnation, Man, Sin, and Salvation.

M W F 3

273. *The History of Christian Thought*

A study of the history of Christian thought, beginning with its Hebraic and Greek backgrounds and tracing its rise and development to modern times.

T Th S 2

274. *Contemporary Christian Thought*

An examination of the types of contemporary Christian theology, such as Protestant Orthodoxy, Thomism, Liberalism, Modernism, and Neo-Orthodoxy.

T Th S 2

278. *Man in Christian Theology and Modern Literature*

A study of the nature and predicament of man as seen in the Bible and contemporary theology as over against conflicting views of man implied in selected works of modern fiction.

M W F 2

Romance Languages

A major in this Department requires 30 hours in either French or Spanish.

A language laboratory has been in operation since September 1960. Students enrolled in language courses numbered 111, 112, 151 and 152 are required to spend one hour per week in the laboratory as part of their class preparation.

I

French

PROFESSORS PARCELL, PARKER

ASSOCIATE PROFESSORS MARY FRANCES ROBINSON,
SHOEMAKER

ASSISTANT PROFESSOR ANNE TILLET

INSTRUCTORS ARENSBACH, HUMPHREY, IVEY, RUN-
NER

111, 112. *Elementary French*

A course for beginners, covering the principles of French grammar, and the reading of elementary texts. The equivalent of two years of French in high schools. *Credit, 3 hours each semester*

French

151, 152. *Intermediate French*

A continuation of grammar and composition. Translation of a number of texts with a view to building up a vocabulary and acquiring facility in pronunciation and sight reading. Prerequisite, French 111, 112 or its equivalent. *Credit, 3 hours each semester*

211, 212. *Introduction to French Literature*

Reading of selected texts. Parallel reading and reports. Drill in grammar, at the discretion of the instructor. Prerequisite, French 151, 152 or its equivalent. *Credit, 3 hours each semester*

S214. *Introduction to French Literature*

Reading of selected texts. Parallel reading and reports. This course covers material not covered in either French 211 or 212 in order that it may be substituted for either course as a requirement for graduation. Prerequisite: French 152 or its equivalent.

221, 222. *French Conversation and Composition*

A course stressing practice in speaking and writing French. Required of those who plan to teach French in high school. Prerequisite, French 152 or its equivalent.

T Th 5-6

231. *Medieval French Literature*

A survey of French literature of the Middle Ages with cultural and political backgrounds. Translation of selected masterpieces in original form and modern transcription; lectures, parallel reading and reports. Conducted in English. Prerequisite, French 211, 212 or its equivalent. (*Not offered in 1963-64*)

T Th 5-6

232. *Sixteenth Century French Literature*

After a brief consideration of the historical background, a survey of the outstanding writers of the sixteenth century. Lectures, parallel readings and reports. Conducted in English. Occasional lectures and discussions in French. Prerequisite, French 211, 212 or its equivalent.

M W F 5

241, 242. *Seventeenth Century French Literature*

After a brief consideration of the historical background, a survey of the outstanding writers of the classical age. Lectures, parallel reading and reports. Conducted in English. Occasional lectures

and discussions in French. Prerequisite, French 211, 212 or its equivalent.

M W F 5

244. *Molière*

Intensive study of the plays. Some translation in class. Parallel reading, lectures and reports. Occasional lectures and discussions in French. Prerequisite, French 211, 212 or its equivalent. (*Not offered in 1963-64*)

M W F 5

246. *Racine*

Intensive study of the plays. Some translation in class. Parallel reading, lectures and reports. Occasional lectures and discussions in French. Prerequisite, French 211, 212 or its equivalent.

M W F 5

251. *Eighteenth Century French Literature*

A survey of French philosophical and political literature of the eighteenth century. Emphasis on Montesquieu, Voltaire, Diderot, Rousseau, and *L'Encyclopédie*. Intensive and extensive reading, lectures, and reports. Prerequisite, French 211, 212 or its equivalent.

T Th 5-6

261. *French Romanticism*

A study of the chief French romantic poets. A considerable amount of the poetry of Lamartine, Musset, Hugo and Vigny read in class, supplemented with parallel reading. Lectures and reports. Conducted in English. Prerequisite, French 211, 212 or its equivalent. (*Not offered in 1963-64*)

M W F 5

263. *Trends in French Poetry*

Poetic theory and practice in France from the Renaissance to the Revolution, and from about 1850 to about 1900. A considerable amount of poetry from both periods will be studied in class. The romantic poets will be considered briefly in order to maintain the over-all perspective. Lectures, discussions, and reports. Prerequisite, French 211, 212 or its equivalent.

T Th 5-6

264. *The French Novel*

A study of several masterpieces in the field of the novel, including representative selections from the *conte* and the *nouvelle*. The develop-

Hindi

ment of the novel from the seventeenth century to the early twentieth century. Lectures, parallel reading and reports. Prerequisite, French 211, 212 or its equivalent.

T Th S 4

265. *Nineteenth Century French Drama*

An intensive study of the principal dramatic works, and a consideration of the related literary movements which evolved during the course of the nineteenth century in France. Lectures, parallel readings, oral and written reports. Prerequisite, French 211, 212 or its equivalent. (*Not offered in 1963-64*)

T Th 5-6

271. *French Literature of the Twentieth Century*

An analysis of the currents in French literature during the first half of the twentieth century, beginning with a brief survey of the trends which are carried over from the last century. Representative works of the foremost prose writers and dramatists will be studied in detail. Lectures in English and/or French, supplemental readings, oral and written reports. Prerequisite, French 211, 212, or its equivalent.

M W F 3

291. *Education—The Teaching of French*

A survey of methodology of general principles in the teaching of Romance Languages in secondary schools. Particular attention is paid to the teaching of grammar, reading methods, pronunciation and oral work and conversational languages. Realia materials examined and evaluated. Some attention is given to the possibilities now being developed in languages for the elementary school.

T Th S 2

Credit, 3 hours

II

Hindi *

PROFESSOR GOKHALE

111, 112. *Elementary Hindi*

Basic Hindi grammar and vocabulary. The course is primarily designed to give the student enough knowledge of the language to read newspapers and simple Hindi books.

Credit, 3 hours each semester

* This course is attached to the Department of Romance Languages for administrative purposes only.

151, 152. *Intermediate Hindi*

A two semester course devoted to the teaching of the basic principles of literary Hindi; advanced vocabulary building and composition; introduction of Hindi literary texts. *Credit, 3 hours each semester*

III

Russian *

ASSISTANT PROFESSOR ANNE TILLET

111, 112. *Elementary Russian*

The essentials of Russian grammar and the reading of elementary texts. Admission with the consent of the instructor.

Credit, 3 hours each semester

151, 152. *Intermediate Russian*

Continuation of the study of Russian grammar, with practice in conversation and composition. Reading of selected texts. Prerequisite Russian, 111, 112 or its equivalent.

Credit, 3 hours each semester

IV

Spanish

PROFESSOR PARKER

ASSISTANT PROFESSORS CAMPBELL, KING, ANNE
TILLET

INSTRUCTORS DELGADO, HUMPHREY, RUNNER, SMITH

111, 112. *Elementary Spanish*

A course for beginners, covering grammar essentials, pronunciation, dictation, and reading of simple prose.

Credit, 3 hours each semester

151, 152. *Intermediate Spanish*

A review of grammar and composition with practice in conversation. Reading of selected texts. Prerequisite, Spanish 111, 112 or its equivalent.

Credit, 3 hours each semester

211, 212. *Introduction to Spanish Literature*

A survey of Spanish literature from the Middle Ages to the contemporary period. Parallel reading and reports. Prerequisite, Spanish 151, 152 or its equivalent.

Credit, 3 hours each semester

* This course is attached to the Department of Romance Languages for administrative purposes only.

Spanish

213. *Spanish American Literature*

A general survey of Spanish American literature from the Colonial through the contemporary period, including selections from representative novels, short stories, essays, and poetry. Parallel reading and reports. Prerequisite, Spanish 151, 152. *Credit, 3 hours*

S214. *Introduction to Spanish Literature*

Reading of selected texts. Parallel reading and reports. This course covers material not covered in either Spanish 211 or 212 in order that it may be substituted for either course as a requirement for graduation. Prerequisite, Spanish 152 or its equivalent.

221, 222. *Spanish Conversation and Composition*

A course stressing practice in speaking and writing Spanish. Required of those who plan to teach Spanish in high schools. Prerequisite, Spanish 151, 152 or its equivalent.

T Th S 4

234. *Spanish Prose Fiction Before Cervantes*

A historical and critical analysis of the several types of prose fiction which developed in Spain prior to the appearance of the *Quixote* in 1605. Lectures and readings provide the foundation for class discussion of the sentimental, chivalric, pastoral, Moorish, and picaresque novels as forerunners of the prose masterpiece by Cervantes.

Credit, 3 hours

241. *Golden Age Drama*

A study of the drama of the Golden Age with emphasis upon the dramatic works of Lope de Vega, Calderón de la Barca, Tirso de Molina, and Ruiz de Alarcón. Lectures, classroom discussions, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent. (*Not offered in 1963-64*)

243. *Cervantes*

Intensive study of the life and works of Cervantes, with special emphasis on the *Quixote* and the exemplary novels. Lectures, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent.

M W F 5

262. *The Spanish Romantic Drama*

An intensive study of Spanish Romanticism with emphasis on the drama. Lectures, classroom discussions, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent.

M W F 4

265. *Spanish American Novel*

A study of the novel in Spanish America from its beginnings to the contemporary period. Lectures, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent. (*Not offered in 1963-64*)

272. *The Modern Spanish Drama*

An intensive study of the principal Spanish dramatic works of the present century, beginning with the "Generation of '98" and continuing up to the contemporary period. Lectures, classroom discussions, dramatic criticism, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent.

M W F 5

273. *The Modern Spanish Novel*

An extensive study of representative Spanish novels, beginning with the works of the "Generation of '98" and continuing up to the contemporary period. Lectures, classroom discussions, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent.

M W F 5

291. *Education—The Teaching of Spanish*

A survey of methodology of general principles in the teaching of Romance Languages in secondary schools. Particular attention is paid to the teaching of grammar, reading methods, pronunciation and oral work and conversational languages. Realia materials examined and evaluated. Some attention is given to the possibilities now being developed in languages for the elementary school.

T Th 2:00-3:15

Credit, 3 hours

Sociology and Anthropology

PROFESSORS PATRICK, BANKS

ASSISTANT PROFESSOR CHEE

INSTRUCTORS PACE, ROBERTSON

LECTURER McDOWELL

The requirement for a major in Sociology is 30 hours which must include Sociology 151, 251 or 252, 280, and 284. Students who choose Sociology to meet the basic course requirements will take Sociology 151 and any course numbered from 223 to 259 except 248 and 249.

Qualified Sociology majors may be considered by the department for admission to the honors program in Sociology. They must have earned a QPR of not less than 2.0 on all college work and 2.3 on all work in Sociology, satisfactorily complete a senior research project and pass a comprehensive oral and written examination. They are then graduated with the designation of "distinction in Sociology." Members of the staff may be consulted for additional information.

151. *Principles of Sociology*

A general introduction to the field of Sociology: social origins; culture, human nature; collective behavior; communities; social institutions; social change.

Credit, 3 hours

223. *Social Organization*

An analysis of the structure and function of small and large human groups. Special attention will be given to the bureaucratic structure of selected voluntary associations and administrative organizations. Prerequisite, Sociology 151.

Credit, 3 hours

225. *Industrial Sociology*

A study stressing the relationship between industry and society, industry and the community, work groups and work relations, the role of the worker in work groups, and the social organization within industries. Prerequisite, Sociology 151.

Credit, 3 hours

227. *Personal Adjustment in Industry*

A socio-psychological study of the worker in an industrial civilization; emphasizing social attitudes, industrial morale, leadership, training, and the influence of the work group on the laborer; special emphasis also is given to the importance of testing, guidance, and counseling. Prerequisite, Sociology 151.

Credit, 3 hours

233. *The Community*

A survey of materials relating to the community as a unit of sociological investigation. The structure and functioning of folk, rural and urban communities will be studied in order to bring out the general principles that apply to this form of social organization. Prerequisite, Sociology 151.

Credit, 3 hours

235. *Sociology of Health*

Concepts of illness and health; socio-cultural factors in physical and mental illness; the organization of medical care, primitive and contemporary; the sociology of mental hospitals. Prerequisite, Sociology 151. *Credit, 3 hours*

239. *Public Opinion and Propaganda*

The nature and development of public opinion; its relation to attitude, biases, stereotypes and controversial issues. The place of communication in formal and informal means of control; role of leaders, pressure groups and minority groups; propaganda and censorship; use of radio, press, motion picture and graphic arts; and measurement of public opinion. Prerequisite, Sociology 151. *Credit, 3 hours*

240. *Sociology of Child Development*

A study of the process of socialization in the light of contemporary behavioral science; the primary factors in personality development; the relations between personality and social structure. Prerequisite, Sociology 151. *Credit, 3 hours*

241. *Criminology*

A study of crime from the point of view of its nature, causes, personal and social consequences, and methods of treatment and prevention. Prerequisite, Sociology 151. *Credit, 3 hours*

244. *Social Deviation and Disorganization*

A study of the theoretical approaches to some of the principal social and personal problems in contemporary society. Primary emphasis will be given to the relationship between social structure and social problems. Prerequisite, Sociology 151. *Credit, 3 hours*

248. *Marriage and the Family*

A study of the social basis and importance of the family, with especial reference to the influence of social change on family life and the problems growing out of modern conditions. *Credit, 3 hours*

249. *Introduction to Social Work*

This is a pre-professional course which is designed to introduce the student to social work and its various fields. This course carries 3 hours credit with field work, 2 hours without field work. Prerequisite, Sociology 151 and permission of the instructor.

Credit, 2 or 3 hours

Sociology and Anthropology

251. *Human Origins*

An introduction to the fields of physical anthropology and archeology, presenting materials on human biology, fossil man, and prehistoric cultures. Students are given an opportunity to do field and laboratory work. Desirable as background for other courses on anthropological topics, such as Sociology 252 and 257. Prerequisite, Sociology 151.

Credit, 3 hours

252. *Cultural Anthropology*

An introduction to the scientific study of culture, using materials drawn from ethnology and social anthropology. Emphasis will be given to non-literate cultures, and such topics as technology, economics, kinship and political organization, religion, art, and language will be surveyed. Prerequisite, Sociology 151.

Credit, 3 hours

254. *Primitive Religion*

A study of the world-view and values of various nonliterate cultures as expressed in their myths, rituals, and art. The role of culture in providing a structure for the perception of reality will be explored, and the importance of symbols in human activity will be stressed. Prerequisite, Sociology 151.

Credit, 3 hours

255. *Oriental Social and Cultural Systems*

This course is designed primarily to develop in the student a knowledge and an understanding of the basic social and cultural systems of the Orient. Major emphasis will be given to the study of the process of socialization and social institutions. The influence of current cultural contacts with the West and consequent changes in the traditional social institutions will be discussed. Prerequisite, Sociology 151.

Credit, 3 hours

257. *Culture and Personality*

A study of the relations between the individual and his society, including the influence of culture in shaping personalities and the part the individual plays in carrying on or changing his culture. Prerequisite, Sociology 151.

Credit, 3 hours

258. *The American Indian*

A survey of the ethnology and prehistory of the American Indian. Reading and classroom work will be supplemented by field trips to sites of major importance. Prerequisite, Sociology 151.

Credit, 3 hours

259. *Race and Culture*

A study of racial and ethnic groups from a cultural point of view. A number of inter-racial areas of the world are analyzed with especial reference to Hawaii, Brazil, South Africa, and the United States. Prerequisite, Sociology 151. *Credit, 3 hours*

271. *Contemporary Social Theory*

A systematic study of the major writings in the development of modern sociological thought. The sociological theories of recent writers will be critically examined with a view to laying the foundations for the student's own constructive theory of social life. Prerequisite, Sociology 151. *Credit, 3 hours*

280. *Social Statistics*

This course is designed primarily for the first year of statistics for students in Sociology and related fields. It will deal with research designs, the collection, tabulation, charting, analysis, and summarization of data. Emphasis will be upon the application rather than the theory of statistical methods. This course may count as either Sociology or Psychology, but not both. At the time of registration the student must determine in which field credit is desired. One who takes this course may not receive credit in Bus. Adm. 368, Math 357, 358 or Psychology 213. *Credit, 3 hours*

284. *Social Research*

A survey of the field of sociological research. Practice in the methods of developing studies and analyzing sociological data is emphasized. Prerequisite, Sociology 151, senior standing, and permission of the instructor. *Credit, 3 hours*

285, 286. *Seminar*

A reading and research seminar for majors in Sociology. Students will normally register for 285 in their junior year and 286 in their senior year. *Credit, 1 hour each semester*

341. *The Ecology of Man*

The nature of fitness of Man's environment; his requirements, general and special; the phenomenon of culture and its role as an ecological factor. See Biology 341. This course may count as either Biology or Sociology, but not both. At the time of registration the student must determine in which field credit is desired. *Credit, 3 hours*

Speech

ASSOCIATE PROFESSOR SHIRLEY
ASSISTANT PROFESSOR BURROUGHS
INSTRUCTORS HOPPER, WALTON
LECTURER KNOBELOCH

The major in Speech consists of 30 credit hours which must include courses 151, 161, 211, 228, 241, and 271. The Speech adviser will recommend the remaining 12 hours from courses that conform to the individual's needs. Each Speech major is strongly urged to elect courses in the Social Sciences, Psychology, Philosophy, and Literature.

Superior speech majors meeting certain specified requirements may be invited by the Department to participate in the honors program in Speech. To fulfill the requirements for honors, a student must earn a QPR of 2.3 on all Speech courses and an overall QPR of 2.0, successfully complete Speech 289, and pass a comprehensive written and oral examination at the end of the senior year. Upon satisfactory completion of these requirements, the candidate will be graduated with distinction in Speech. Members of the Speech staff will provide additional information.

151. *Speech Fundamentals*

A study of the nature and fundamentals of Speech (voice, body action, spoken language, and mental activity). Practice in the preparation and delivery of short speeches; foundation work for advanced speech study; use of tape recorder.

M W F 2, 3, 4, 6; T T S 4

152. *Public Speaking*

The preparation and presentation of short speeches to inform, convince, actuate, and entertain with special emphasis on organization and language. Experience in selecting, classifying, and recording ma-

terials; practice in effective delivery; use of tape recorder. Prerequisite, Speech 151.

M W F 4

161. *Voice and Diction*

A study of the principles of voice production with consideration to the elimination of throat fatigue, huskiness, nasality, extremes of pitch, indistinctness, monotony, and mispronunciation. Emphasis placed on phonetics as the basis for correct sound formation. Students voices are recorded.

M W F 2

211. *Oral Interpretation of Literature*

The development of adequate mental and emotional responsiveness to literature and the ability to communicate this appreciation to others by oral reading. Various types of literature used for study and practice: the short story, old ballad, narrative poem, lyric, sonnet, and essay.

M W F 2

221. *History of the Theater*

A survey of the development of theater from its earliest beginnings to the present. Emphasis will be placed on Greek, Roman, French, Italian, English, and American theater. Open to freshmen and sophomores by permission of instructor.

M W F 7

223. *Stagecraft*

A study of the visual elements of play production: the theory of stage design; color and line; the building and painting of scenery; the making of stage models; costuming and make-up; stage lighting, properties, and stage effects. Practical experience gained in laboratory and College Theater productions. Open to freshmen and sophomores by permission of instructor.

T Th 6-7

Credit, 3 hours

226. *Theories of Acting*

A study of the acting theories of the important actors and theater theorists from Aristotle through Judith Anderson. Attention will be given to acting techniques, practice in applying the various principles involved in creating a characterization, and director-actor relationships. Open to freshmen and sophomores by permission of instructor.

T Th 6-7

Credit, 3 hours

228. *Play Directing*

A study of the theory and practice of play directing in the modern theater with emphasis on the educational theater; training in selecting and analyzing scripts; experience in casting and conducting rehearsals from the point of view of the director; participation in laboratory and College Theater productions. Prerequisite, Junior standing.

T Th 6-7

Credit, 3 hours

241. *Introduction to Broadcasting*

A study of the development and structure of radio and television broadcasting in the United States with special attention to programming and current problems in broadcasting. Laboratory work in radio and television announcing. Open to freshmen and sophomores by permission of instructor.

M W F 6

242. *Radio and Television Production*

A study of the fundamentals of writing and directing radio and television programs with laboratory work in producing dramas, documentaries, educational programs, and special events programs. Open to freshmen and sophomores by permission of instructor.

M W F 6

251. *Forms of Address*

The composition and delivery of social, ceremonial, professional, policy forming, and legislative addresses; emphasis placed on structure, support, and style; attention given to effective delivery; study of classical and current speech texts; critical observations of speakers outside the class; use of tape recorder. Prerequisite, Speech 151 or permission of instructor.

M W F 6

253. *American Public Address*

The history and criticism of American public address through the study of speeches of significant statesmen, lawyers, and clergymen from colonial times to the present; emphasis on sources of effectiveness.

M W F 7

261. *Speech Correction*

An introductory study of principles and methods of speech correction. Emphasis upon functional and pathological disorders with some

attention to problems of delayed speech, audiology, and sound substitutions. Observations and clinical practice will be provided.

T Th 4-5

Credit, 3 hours

271. *Argumentation and Debate*

Emphasis upon the essentials of argumentation; research analysis, evidence, reasoning, case construction, and refutation; with applications to public speaking and debate. Open to freshmen and sophomores by permission of instructor.

M W F 7

272. *Group Discussion and Conference Leadership*

An introduction to the theory and practice of cooperative group deliberation for the purpose of problem-solving through reflective thinking. Practice in conferences, panels, committee meetings, and forums.

M W F 7

289. *Honors Course in Speech*

A thorough research paper and a project involving intensive work in an area of special interest will be performed on an individual basis under an advisor appointed by the departmental honors committee. Open to seniors who are candidates for graduation with distinction in Speech.

Credit, 1 hour

291. *Education—The Teaching of Speech*

A study of speech methods and resources, emphasizing theories and practices in teaching speech in the secondary school. Consideration will be given to methods of teaching and directing public speaking, voice and diction, discussion and debate, interpretation, theater, radio and television, and speech correction.

T Th 5-6

Credit, 3 hours

The Asian Studies Program

As a result of a grant from the Mary Reynolds Babcock Foundation, an Asian studies program was inaugurated in the fall of 1960 at Wake Forest College, Salem College, and Winston-Salem Teachers College. The director of the program is Professor B. G. Gokhale, and

Courses at Salem College

the following courses are available in the Wake Forest College curriculum:

History 341, 342. *History and Civilization of Southeast Asia*

History 347, 348. *Modern India*

Hindi 111, 112. *Elementary Hindi*

Hindi 151, 152. *Intermediate Hindi*

Political Science 240. *Government and Politics of South-east Asia.*

Political Science 245. *Government and Politics of South Asia*

Sociology 255. *Oriental Social and Cultural Systems*

A description of each of these courses may be found in the curriculum of the department concerned.

Courses at Salem College

Wake Forest College and Salem College participate in a plan of exchange credits whereby courses offered at Salem and not offered at Wake Forest are available to full-time students regularly enrolled at Wake Forest. The same privilege is extended by Wake Forest to full-time Salem students.

A Wake Forest student interested in taking a course at Salem must make formal application in advance, and the application must be approved by his faculty adviser and by the Dean. No financial payment is necessary except in certain courses in which the student receives private instruction. Grades and quality points earned in courses at Salem are evaluated in the same way as they would be if the work were taken at Wake Forest.

More detailed information about this plan is available in the offices of the Registrar and the Dean. The plan is effective only during the regular academic year and not during any summer session.

SCHOOL OF BUSINESS ADMINISTRATION

* Faculty

HAROLD WAYLAND TRIBBLE, *President*
GAINES M. ROGERS, *Dean and Professor of Finance*
LEON P. COOK, *Associate Professor of Accounting*
DOROTHY A. GREENE, *Instructor in Secretarial Studies*
RALPH C. HEATH, *Professor of Marketing*
GEORGE HOBART, *Visiting Professor of Economics*
DELMER P. HYLTON, *Professor of Accounting*
OSCAR J. LEWIS, *Associate Professor of Accounting*
JEANNE OWEN, *Associate Professor of Business Law*
CHARLES M. RAMSEY, *Professor of Economics*
KARL MYRON SCOTT, *Professor of Management*
LYELL J. THOMAS, *Associate Professor of Economics*

Aims

The School of Business Administration was conceived by the Administration and Trustees of Wake Forest College to provide a liberal education and at the same time the preparation essential to a career in business. With the constant growth in the industrialization of the region and the increase in the complexity of modern business, it is felt that professional training for men of business becomes ever more essential. The future business leader, as indeed the present, must be an individual with the professional outlook, an individual of strength, culture, and character. Therefore, it is believed that the School of Business Administration operating in conjunction with a Liberal Arts College, and with a background of Christianity, represents the ideal combination in the preparation for a career in business.

*See Administration and Faculty Sections for full information.

Admission Requirements

Unconditional admittance: A student, who, at the end of his sophomore year, has attempted at least 54 hours of work and has accumulated quality points at least equal to hours attempted, and in addition has passed Business Administration 101 and 102, and 213 and 214, may be admitted, upon application, unconditionally.

Conditional admittance: At the discretion of the Admissions Committee of the School of Business Administration, a student may be admitted conditionally. Conditional admission will be considered under the following circumstances:

- a. If the student meets the requirements for unconditional admittance except that he has not completed courses Business Administration 101, 102, 213, and 214, he must complete these courses within one calendar year after date of the conditional admission.
- b. A student failing to present quality points equal to hours attempted may be conditionally admitted under the following circumstances:

<i>Hours Attempted</i>	<i>Quality Point Ratio</i>
54 to 64.9	.75
65 to 74.9	.80
75 to 84.9	.85
85 and over	.90

Conditions for continued enrollment:

- a. *Unconditional Admittance:* Such a student is expected to maintain quality points equal to the number of hours attempted. If at the end of any semester after admission, quality points are not at least equal to hours attempted, admission to the School of Business

Administration will be revoked. The student may apply for conditional admittance.

b. *Conditional Admittance:* A student who has been conditionally admitted to the School of Business Administration must make satisfactory progress toward graduation each semester. If a student's over-all record does not meet the requirements listed above for conditional admission, the admission to the School of Business will be revoked at the end of any semester.

Enrollment in Courses by Non-Business Students: Students who have not been admitted to the School of Business, may take business courses numbered 300 and above only with permission of the Dean of the School of Business.

Transfer of Credit from Other Schools

Of the 57 hours of work in the School of Business Administration required for the B.B.A. degree, a minimum of 36 hours must be taken at Wake Forest College. The following rules apply for transfer of residence credit from other schools:

1. A course passed with the lowest passing grade at another institution does not give hour credit toward graduation, but may be used to satisfy a course requirement upon approval of the Dean of the School of Business Administration.
2. Work passed above the minimum passing grade:
 - (a) Schools which are members of the American Association of Collegiate Schools of Business:
All credit is acceptable if the student received a satisfactory grade in the course and if a similar course is offered at Wake Forest College. Credit for courses not offered at Wake Forest College may be accepted upon approval of the Dean of the School of Business Administration.
 - (b) Four-year colleges which are accredited by the regional accrediting association:
Credit for Principles of Accounting and Principles of Economics will be granted with or without a validating exam at the discretion of the Dean of the School of Business

Administration. A validating examination may be required for any course transferred.

(c) Accredited junior colleges:

Principles of Economics may be accepted without a validating exam at the discretion of the Dean of the School of Business Administration. A validating exam is required for Principles of Accounting. No junior or senior courses will be accepted.

(d) Non-accredited schools:

All credit transferred must be validated by examination.

3. A student transferring to Wake Forest College must first meet the general admission requirements of the College. If the transferee transfers 54 hours or more, he must then apply for admission to the School of Business Administration should he wish to become a candidate for the B.B.A. degree. Those transferring less than 54 hours may be admitted to the School of Arts and Sciences from which they will be promoted to the School of Business Administration upon meeting the entrance requirements for this school.

Accreditation

The School of Business Administration is a Member of the American Association of Collegiate Schools of Business.

Organizations

The national honorary fraternity in business administration, Beta Gamma Sigma, is represented at Wake Forest. Two professional fraternities in business administration and commerce have installed chapters at Wake Forest. The Gamma Nu Chapter of Delta Sigma Pi and the Gamma Delta Chapter of Alpha Kappa Psi were granted charters in 1950. A local business Society for women students, Delta Kappa Nu, was organized in 1953.

Awards

For a description of the following awards see pages 82-83: *Laura Baker Paden Medal*, *North Carolina Association of Certified Public Accountants Medal*, *A. M. Pullen and*

Company Medal, Wall Street Journal Award, Alpha Kappa Psi Scholarship Key, Delta Sigma Pi Scholarship Key, Delta Kappa Nu's Business Woman Student Award.

Dean's List Certificates are awarded to graduating seniors receiving the B.B.A. degree who have appeared on the Dean's List for two of the four semesters prior to graduation.

Degrees

The School of Business Administration offers the Bachelor of Business Administration degree and a major in Economics or Commercial Education for those taking the Bachelor of Arts degree. A student cannot be considered a candidate for the B.B.A. degree until he has been admitted to the School of Business.

The Bachelor of Business Administration degree requires one hundred twenty-eight hours of college work. A minimum of fifty-seven hours of prescribed work in Business Administration must be taken. At least 128 quality points must be presented for graduation by those who take all of their work here, 64 by those who enter from other colleges. In no case may a student present hours in excess of quality points. Each student seeking the B.B.A. degree must take a minimum of nine hours beyond the principles level in non-required work in one area of concentration.

Courses required of all candidates for the B.B.A. degree:

Basic Requirements

English 111, 112, 151, 152	Philosophy 211
History 111, 112	Business Administration 213-214
Mathematics 105 and 161	Business Administration 101-102
**Religion, 6 hours	Science, 8 hours
Sociology 151-225	(Laboratory science)
or	Physical Education 111, 112
Psychology 151-273	Choice of 6 hours:
Political Science 151, 152	*Language through 151, 152 or
	Mathematics 162 and Speech 151

*See page 106.

**See page 107.

Professional Work

Business Administration 368	Business Administration 340
Business Administration 321	Business Administration 331
Business Administration 361-362	Business Administration 420
Business Administration 350	Business Administration 460

Students may obtain the Bachelor of Arts degree with a major in Economics or a major in Commercial Education. For a major in Economics forty-two hours are required in Economics and related fields with a minimum of thirty hours in Economics. Principles of Economics, Intermediate Economics, Money and Banking, Business Statistics, and either Comparative Economic Systems or History of Economic Thought must be included. For a major in Commercial Education the plan outlined under the General Commercial Certificate listed below should be followed.

Teaching Certificates in Commerce

I. General Commercial Certificate

Students desiring a high school "A" certificate for general commercial work must complete the following courses in Business Administration:

Business Administration 213	Business Administration 450
Business Administration 214	Business Administration 451
*Business Administration 250	**Business Administration 201
Business Administration 101	Business Administration 340
Business Administration 102	Business Administration 352
Business Administration 251	Education 291
*Business Administration 359	Business Administration 344

II. Certification in Individual Areas

Student may be certified in any one of the following individual fields upon completion of the prescribed courses:

*Students whose high school transcripts show satisfactory completion of one year typing and one year shorthand may be excused from B.A. 250 and B.A. 359.
**Or one of the following: B.A. 331, B.A. 333 or B.A. 332.

A. Typewriting (4 hours)		C. Stenography (11 hours)	
Business Administration 250	Business Administration 251	Business Administration 250 (or 251)	Business Administration 359, 450, 451
B. Accounting (15 hours)		D. Basic Business (24 hours)	
Business Administration 101	Business Administration 102	Economics, 12; Accounting or Management, 12	
Business Administration 201	Business Administration 352	Business Administration 213, 214	
		Business Administration 101, 102	
		Business Administration 201	
3 additional hours in Accounting or management		Business Administration 352	
		6 additional hours in Economics	

Fields of Concentration

The courses listed below are classified into areas of concentration including both required and elective courses. Each student seeking the B.B.A. degree must take a minimum of nine hours beyond the principles level in non-required work in one area of concentration.

Accounting

The accounting curriculum is designed to give all candidates for degrees in Business Administration or Economics basic knowledge which is essential in understanding and administering business operations. For those who elect more than the minimum required work, the curriculum makes available opportunity for training for the more responsible accounting positions in industry and government and also enables the student to prepare himself for the Certified Public Accountant examination.

A major in accounting is offered to candidates for the B.B.A. degree. In order to qualify as an accounting major, the student must complete Business Administration 101 and 102, 201 and 202, 203, and 404, and three additional courses in accounting. A point-hour ratio of 1.75 to 1 must be attained in accounting subjects. Those who graduate as accounting majors are permitted to take the C.P.A. examination in North

Carolina without qualifying experience which is otherwise necessary. (The point-hour ratio does not apply for C.P.A. examination purposes.)

The senior accounting major may have the opportunity to obtain practical accounting experience and training through the Accounting Internship Program.

It is recommended that the student interested in a career in accounting begin his accounting studies during his freshman year in college.

B.A. 101, 102	Principles of Accounting	6
B.A. 201, 202	Intermediate Accounting	6
B.A. 203	Cost Accounting	3
B.A. 204	Advanced Cost Accounting	2
B.A. 301	Governmental Accounting	3
B.A. 302	Accounting Systems	3
B.A. 401	Advanced Accounting Problems I	3
B.A. 402	Advanced Accounting Problems II	3
B.A. 403	Income Tax Accounting	5
B.A. 404	Auditing	3
B.A. 405	Accounting Internship	2
B.A. 406	Current Accounting Theory	2

Economics

B.A. 213, 214	Principles of Economics	6
B.A. 310	Intermediate Economics	3
B.A. 311	Economic Geography	3
B.A. 312	Economic History of U.S.	3
B.A. 314	Foreign Trade	3
B.A. 316	Business Cycles	3
B.A. 346	Principles of Transportation	3
B.A. 411	Public Finance	3
B.A. 412	Comparative Economic Systems	3
B.A. 414	History of Economic Thought	3

Finance

B.A. 321	Money and Banking	3
B.A. 326	Investments	3
B.A. 342	Credits and Collections	3
B.A. 403	Income Tax Accounting	5
B.A. 411	Public Finance	3
B.A. 420	Corporation Finance	3

Management and Industrial Relations

B.A. 203	Cost Accounting	3
B.A. 204	Advanced Cost Accounting	2
B.A. 316	Business Cycles	3
B.A. 331	Principles of Management	3
B.A. 332	Production Management	3
B.A. 333	Personnel Management	3
B.A. 368	Business Statistics	3
B.A. 431	Labor Legislation	3
B.A. 432	Wage and Salary Administration	3
B.A. 434	Labor Problems	3

Marketing

B.A. 340	Fundamentals of Marketing	3
B.A. 341	Advanced Marketing	3
B.A. 342	Credits and Collections	3
B.A. 344	Retailing	3
B.A. 346	Principles of Transportation	3
B.A. 440	Marketing Management	3
B.A. 442	Fundamentals of Selling	3
B.A. 444	Marketing Research	3

Secretarial Studies

B.A. 250	Elementary Typewriting	2
B.A. 251	Advanced Typewriting	2
B.A. 350	Business Correspondence	3
B.A. 352	Office Management	3
B.A. 359	Elementary Shorthand	3
B.A. 450	Advanced Shorthand	3
B.A. 451	Advanced Transcription	3
Ed. 291	Teaching of Business Education Subjects	3

Public Administration

B.A. 270	Public Administration	3
B.A. 301	Governmental Accounting	3
B.A. 331	Principles of Management	3
B.A. 333	Personnel Management	3
B.A. 352	Office Management	3
B.A. 411	Public Finance	3
B.A. 432	Wage and Salary Administration	3
Pol.Sci. 151, 152	National, State, and Local Government	3
Pol. Sci. 216	Government and Business	3

Other Courses Not Counted Toward a Concentration

B.A. 361	Business Law	3
B.A. 362	Business Law	3
B.A. 364	Insurance	3
B.A. 366	Real Estate	3
B.A. 368	Business Statistics	3
B.A. 460	Quantitative Analysis of Business Data	3

Description of Courses**I****Accounting****101-102. *Principles of Accounting***

The fundamental concepts of accounting, the accounting equation, the accounting cycle. Preparation of statements and working papers. Business Administration 101 is prerequisite to 102. Credit for B.A. 101 is withheld until B.A. 102 has been satisfactorily completed.

Credit, 3 hours each semester

201-202. *Intermediate Accounting*

A detailed analysis of problems and the related theory concerning accounts normally found in financial statements. Preparation of supplementary reports and statements designed for special purposes. Prerequisite: Business Administration 102; 201 is prerequisite of 202.

Credit, 3 hours each semester

203. *Cost Accounting*

Theory and procedures used in accumulating product costs under job lot and continuous process manufacturing procedures. Major consideration is given to the analysis and interpretation of information accumulated under historical cost accounting procedures. Prerequisite: Business Administration 102.

Credit, 3 hours

204. *Advanced Cost Accounting*

A continuation of BA 203 with emphasis on cost accumulation under predetermined cost procedures. Major attention is concentrated on analysis of variances from budgeted costs. Recent developments in cost accounting theory and practice are investigated. Prerequisite: Business Administration 203.

Credit, 2 hours

301. *Governmental Accounting*

The theory and technique in handling accounts for non-profit institutions, and the preparation of reports and statements, with special emphasis on state and local governmental units. Prerequisite: Business Administration 201. *Credit, 3 hours*

302. *Accounting Systems*

A study of the functions which must be performed by an adequate accounting system. Methods and procedures necessary to accomplish these functions are examined and related to selected typical organizations. Prerequisites: Business Administration 201 and 203. *Credit, 3 hours*

401. *Advanced Accounting Problems—I*

Advanced problems designed as preparation for the student who intends to work for the C.P.A. certificate and for those who desire a more thorough background in accounting. Prerequisite: Business Administration 201. *Credit, 3 hours*

402. *Advanced Accounting Problems—II*

Advanced work in theory and practice of accounting designed to help prepare the student for the C.P.A. examination and to enable him to solve complex business problems. Prerequisite, Business Administration 201. *Credit, 3 hours*

403. *Income Tax Accounting*

Unusual treatment of certain accounts to comply with the Internal Revenue Code. Preparation of individual and corporate returns. Prerequisite: Business Administration 201. *Credit, 5 hours*

404. *Auditing*

A course designed to familiarize the student with the work of the independent professional accountant, with particular emphasis upon examination and verification of books and records and financial statements taken therefrom. Prerequisite: Business Administration 202. *Credit, 3 hours*

405. *Accounting Internship*

This course may be taken only in conjunction with B.A. 404. The student observes and participates in actual operations and submits detailed reports thereon of his activity with a selected firm of certified public accountants. Approval of the Dean of the School of Business Administration is necessary for enrollment in the course. No credit is granted until successful completion of B. A. 404. *Credit, 2 hours*

406. *Current Accounting Theory*

A study of current problems and controversies in accounting theory. Admission to the class is by permission of the instructor only. The class meets in seminar fashion for two hours one day each week.

Credit, 2 hours

II

Economics

213. *Principles of Economics*

An introductory course with emphasis on micro-economic analysis. Basic economic concepts and theories of production, value and price, economics of the firm, and functional distribution are the principal topics considered. Throughout the course application of relevant principles in the analysis of specific economic problems is stressed.

Credit, 3 hours

214. *Principles of Economics*

The emphasis in this course is on macro-economic analysis. Principal topics considered are national income concepts, national income analysis, money and banking, and problems of economic growth and economic instability. Throughout the course application of relevant principles in the analysis of specific economic problems is stressed. Prerequisite; Business Administration 213.

Credit, 3 hours

310. *Intermediate Economics*

The analytical tools and principles of modern economics: theories of value and distribution, of money and prices, and of international trade; factors determining national income. Prerequisite: Business Administration 213, 214.

Credit, 3 hours

311. *Economic Geography*

A study of the basic economic activities and industries of the world, with emphasis on the physical, economic, technological, and other factors determining their location and distribution. Registration by permission of instructor, junior or senior year. Offered in alternate years, beginning 1954-55.

Credit, 3 hours

312. *Economic History of the United States*

This course may count as Business Administration or History, but not both. At the time of registration the student must determine in which field credit is desired. See History 264.

Credit, 3 hours

314. *International Economics*

An introductory study of the main features of the international economy, including international specialization and trade, balances of payments, foreign exchange, international disequilibrium and process of adjustment, trade restrictions and commercial policies, foreign investment, and some of the economic aspects of the development of under-developed countries. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

316. *Business Cycles*

Topics covered are the identification, description, and statistical measurement of various types of economic fluctuations, particularly business cycles, theories of the causes of business cycles, forecasting techniques, and stabilization policies and measures. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

346. *Principles of Transportation*

An analysis of the economic, social, and political aspects of rail, water and air transportation. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

411. *Public Finance*

A study of government expenditures, budgeting, the administration of the public debt and the ensuing effects upon the economy, public revenue with an examination of each of the main taxes, and inter-governmental financial relationships. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

412. *Comparative Economic Systems*

An objective examination of the theory, programs, and practices of the principal contemporary economic systems, including capitalism, socialism, communism, fascism, and co-operation. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

414. *History of Economic Thought*

A survey of the main development in economic thought from about 1500 to the present. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

434. *Labor Problems*

A course designed to acquaint the student with the trade union as an institution, management objectives, the bargaining process, the economics of wage determination, the handling of non-wage issues

Management

in collective bargaining, and the politico-economic impact of trade unions upon the development of the American economy. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

III

Finance

321. *Money and Banking*

A study of monetary systems, the banking structure, banking problems and international finance. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

326. *Investments*

A study of the principles governing the proper investment of personal and institutional funds; information sources; exchanges and government regulations. Prerequisite: Business Administration 214, 101, and 102. *Credit, 3 hours*

420. *Corporation Finance*

A study of the principles and practices of corporate finance, types of securities and characteristics, problems of promotion and combination, security placement, operating policies, receivership and reorganization, and government control. Prerequisite: Business Administration 214, 101, and 102 *Credit, 3 hours*

IV

Management and Industrial Relations

331. *Principles of Management*

A survey course designed to acquaint the student with the aspects of modern management. The background of the management movement, administrative policies, plant location, plant layout, product development and research, and personnel relations are among the topics covered. Prerequisite: Business Administration 213, and 214. *Credit, 3 hours*

332. *Production Management*

Selected production problems are considered. Assembly-line techniques and quality control of materials will be covered. Prerequisite: Business Administration 213, 214 and 331. *Credit, 3 hours*

333. *Personnel Management*

A study of the principles and procedures involved in the recruitment and selection of a labor force, the handling of grievances, problems involved in collective bargaining, remuneration policies, merit rating, promotion and transfer, training in industry, and personnel records. Prerequisite: Business Administration 214. *Credit, 3 hours*

431. *Labor Legislation*

Labor problems are comprehensively treated with particular emphasis upon their legal aspect; foundation of the labor movement, the social and political program they seek to carry through, the labor contract, social insurance legislation, and child labor laws are among the problems considered. Offered in alternate years. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

432. *Wage and Salary Administration*

A study of the different approaches that may be made to the problems involved in the creation of a sound wage and salary administration program in industry. Such problems as how to inaugurate, administer, and verify rated positions, and the impact of such programs on collective bargaining will be considered. Prerequisite: Business Administration 213, 214 and 333. *Credit, 3 hours*

V

Marketing

340. *Principles of Marketing*

An examination of the marketing structure within the framework of the dynamic economic system of the United States. Studies the movement of goods from producer to consumer through the various channels of distribution; the functions of marketing; marketing costs; the choice of policies; social and economic implications.

Credit, 3 hours

341. *Advanced Marketing*

A course designed to further the student's knowledge of marketing principles and their application to the solution of distribution problems. Students do additional reading designed to increase their understanding of the field of marketing generally, and in particular of the marketing of industrial goods; wholesaling; purchasing; and marketing management. Prerequisite: Business Administration 340.

Credit, 3 hours

Marketing

342. *Credits and Collections*

A study of the credit problems of individual business firms. Examines the policies upon which good credit practice is built; sources of credit information; analysis of risk; collection procedures; credit department organization; significance of consumer and mercantile credit to the economy.

Credit, 3 hours

344. *Retailing*

An introductory course designed to acquaint the student with the basic problems of retailing. Business location, store layout, merchandise display, buying procedures, and inventory control are among the topics covered. Prerequisite: Business Administration 340.

Credit, 3 hours

440. *Marketing Management*

A study, from the viewpoint of the marketing manager, of the selling policies of a business enterprise. Studies: merchandising, promotion, planning, organizing, and control. Examines the problems of product planning, developing product lines, pricing the product, determining the market, costs of selling, sales helps, brands, and the comparative emphasis to be placed upon types of selling activity. Prerequisite: Business Administration 340.

Credit, 3 hours

442. *Fundamentals of Selling*

A study of the sales function in the marketing of goods and services. This course is designed to acquaint the student with the fundamentals of both advertising and personal selling as an integral part of the marketing process. Prerequisite: Business Administration 340.

Credit, 3 hours

444. *Marketing Research*

This course is designed to provide the student with a background in the nature, scope, and application to research as it may be used to support the sales function of an enterprise. Included in the study are: formulation of specific marketing problems; sources of data; procedures and methods of analysis; interpretation and presentation of findings. Prerequisite: Business Administration 340 and 368.

Credit, 3 hours

VI

Secretarial Studies

250. *Elementary Typing*

A course in touch typewriting for personal use. Drills are used to develop facility, accuracy, and the complete mastery of the keyboard. Instruction in letter writing, centering problems, and manuscript typing. A speed of thirty words a minute is required for credit in this course. Students having completed one year of typing must receive permission from instructor to register for this course.

Credit, 2 hours

251. *Advanced Typing*

A course designed for the development of typewriting skill with special attention to the mechanics of letter writing, tabulation, manuscript typing, legal documents, and business forms.

Credit, 2 hours

350. *Business Correspondence*

A course in the theory and practical application of business writing principles, dealing concretely with salesmanship, collection, credit, *et cetera*, with particular reference to the types of expression best adapted to the problems of those fields. Prerequisite: typing ability.

Credit, 3 hours

352. *Office Management*

A course designed to prepare students for meeting situations in the modern business office. The course includes an introduction to the use of dictation and transcribing machines and instruction in filing.

Credit, 3 hours

359. *Elementary Shorthand*

In this course attention is given to developing reading and writing skills. A speed of sixty words a minute is required for credit.

Credit, 3 hours

450. *Advanced Shorthand*

Dictation course. Intensive practice in reading and dictation, with emphasis on transcription. A speed of eighty words a minute is required for this course.

Credit, 3 hours

451. *Advanced Transcription*

A dictation course. Intensive practice in transcription and office procedure. A speed of 100 words a minute is required for this course.

Credit, 3 hours

291. *Education—Teaching of Business Education Subjects*

A course designed to familiarize the prospective high school business education teacher with the methods and materials used in the teaching of typewriting, shorthand, business arithmetic, bookkeeping and general business. Prerequisite: Business Administration 213, 214, 250, 101, 359.

Credit, 3 hours

VII

Public Administration

270. *Public Administration*

This course may count as Business Administration or Political Science, but not both. At the time of registration the student must determine in which field credit is desired. See Political Science 213.

Credit, 3 hours

Other Courses Not Counted Toward a Concentration

361, 362. *Business Law*

A study of the more important legal principles which govern in the daily conduct of business. Discussion of contracts, agency, negotiable instruments, sales, bailments, partnership, corporations, bankruptcy, and other topics.

Credit, 3 hours each semester

364. *Insurance*

A study of the fundamental principles of insurance and their application to life, property, casualty, and social insurance. Offered in alternate years.

Credit, 3 hours

366. *Real Estate*

A study of the fundamental principles, laws, and practices relating to appraisal, ownership, control, financing, and transfer of residential and other real property.

Credit, 3 hours

368. *Business Statistics*

A study of statistical methods with emphasis upon business and economic data, including such techniques as collecting, classifying, tabulating, graphing, and combining data in frequency distributions; index numbers; time series; correlation; and preparation of reports. One taking this course may not receive credit in Math 357, 358, Sociology 280, or Psychology 213. Prerequisite: Sixty semester hours work. *Credit, 3 hours*

460. *Quantitative Analysis of Business Data*

This course, required of all B.B.A. degree candidates except those majoring in accounting, is designed to help the student use accounting and related data in solving problems in business administration. The case method is employed to a considerable extent. Prerequisite: Business Administration 214 and 102. *Credit, 3 hours*

DIVISION OF GRADUATE STUDIES

On January 13, 1961, the Trustees of Wake Forest College established the Division of Graduate Studies and announced that beginning in September, 1961, the College would resume course and research work leading to the degree of Master of Arts in the Departments of Biology, Chemistry, English, History, Mathematics, and Physics. A full program of study leading to this degree is now being offered in these six departments.

Since June, 1962, the Department of Education has offered professional courses required for the issuance of the North Carolina Graduate Certificate and for the renewal of other certificates, but a master's degree with the major in Education is not offered.

Requirements for admission to the Division of Graduate Studies include graduation with a superior record from an accredited college. In the evaluation of transcripts greater significance is attached to the applicant's record on work in his major than in his other courses.

Candidates for the degree of Master of Arts are required to complete successfully a minimum of twenty-four hours of course work, write a thesis for which six hours of credit are allotted, and pass a reading examination in one modern foreign language.

The Division of Graduate Studies will have twenty full tuition scholarships available to be awarded for the summer of 1963 and a total of fifty-eight assistantships, fellowships, and scholarships for the academic year 1963-64.

The *Bulletin* of the Division of Graduate Studies, an application for admission form, and an application for grant form may be obtained by writing The Director of Graduate Studies, Box 7323, Reynolda Station, Wake Forest College, Winston-Salem, North Carolina.

SCHOOL OF LAW

**Faculty*

HAROLD WAYLAND TRIBBLE, *President*
CARROLL W. WEATHERS, *Dean and Professor of Law*
HUGH WILLIAM DIVINE, *Professor of Law*
ESRON MCGRUDER FARIS, JR., *Professor of Law*
H. GARDNER HUDSON, *Lecturer in Law*
ROBERT E. LEE, *Professor of Law*
JOHN DONALD SCARLETT, *Professor of Law*
WARREN A. SEAVEY, *Visiting Professor of Law*
JAMES E. SIZEMORE, *Professor of Law*
JAMES A. WEBSTER, JR., *Professor of Law*
NORMAN A. WIGGINS, *Professor of Law*
MRS. VIVIAN LUNSFORD WILSON, *Law Librarian*

General Statement

The Law School was established as a department of Wake Forest College in 1894, the first instructor being Professor N. Y. Gulley, who served as dean from 1905 until his retirement from active administration in 1935. From the beginning, the school has steadily grown and developed until it now has a faculty of eight full-time teachers and a visiting professor each year.

The selection and treatment of the courses of study offered in the Law School, and the method of instruction employed are designed to afford comprehensive and thorough training in the broad field of legal education and to equip students to practice in any jurisdiction where the Anglo-American law system prevails. The achievement of these purposes necessitates, first, the requirement of adequate and appropriate preliminary education in order to assure an intellectual maturity

*See Administration and Faculty sections for full information.

and cultural background against which legal principles and problems can be understood in their social, economic and moral, as well as in their legal aspects; second, a comprehensive study of the theories and doctrines of the Anglo-American system of law and their statutory modification.

The Law School has as its objective, not only to train a student in legal principles and doctrines, but also to stimulate his reasoning powers, to prepare him to present legal propositions logically and analytically, and to develop in the student a profound sense of legal ethics, professional responsibility and the duty of the lawyer to society.

The Law School is fully approved by all national and state accrediting agencies. It is a member of the Association of American Law Schools, and is listed as an approved school by the American Bar Association, by the Board of Law Examiners and Council of the North Carolina State Bar, and by the University of the State of New York.

The Law School has its separate building, new and modern in all respects and designed to accommodate the continued growth and future development of the School and the expansion of its program in the field of legal education. The law building, which is a handsome four-story structure, contains many attractive and useful features including air-conditioning. In addition to classroom and seminar room facilities, administrative and faculty offices, library, student lounge and faculty conference room, the building contains a combination moot court-assembly room which will seat 250 people and is adapted for the multiple purposes of the moot court program, Student Bar Association activities, and institutes in the field of continuing legal education. The Law Library is of extraordinary beauty and will accom-

modate in excess of 100,000 volumes. Alcoves in the reading room and balcony provide individual study space for students. Additional study tables are available in the reading room and in the three conference rooms. Typing carrells are located in the stack area. The law building also provides a conference room for members of the Bar who wish to use the facilities of the Library for research.

The Law Library contains approximately 31,100 volumes, carefully selected to avoid unnecessary duplication and to insure the greatest possible usefulness.

Admission Requirements

The academic requirements for admission to the School of Law, as a candidate for the LL.B. degree, may be satisfied by any one of the following methods:

(1) An academic degree from an approved college or university.

(2) The completion of three years of academic work prescribed in the "Combined Course" in the School of Arts and Sciences at Wake Forest College. (See pages 112-113 for details.)

(3) The completion of three years of academic work acceptable toward a bachelor's degree at an approved college or university.

An entering law student without an academic degree must have completed at least three-fourths of the work acceptable for a bachelor's degree granted on the basis of a four-year period of study in residence at such approved college or university attended by him, with a scholastic average, based on all work undertaken, at least equal to the quality of work required for graduation at the institutions attended, and at least equal to C. All grades of failure must be included in the computation,

including failures received in courses which have been re-taken and passed.

Non-theory courses in military science, hygiene, domestic arts, physical education, vocal or instrumental music, practice teaching, teaching methods and techniques and similar courses are not acceptable under the above rule. "Required" non-theory work is acceptable up to ten per cent of the total credit offered for admission.

The academic requirements set forth above are minimum requirements, and satisfaction of these requirements do not necessarily entitle an applicant to admission. In addition, an applicant for admission is required to take the Law School Admission Test (an aptitude test hereinafter referred to) and to have his score on such Test furnished this Law School.

There is no rigidly prescribed pre-legal curriculum for admission to the School of Law. Since the law, in its application and as a subject of study, touches so many phases of life, it has been considered unwise to require an inflexible preparatory course. The School of Law merely recommends the inclusion of as many of the following courses as possible in any pre-law program of study: English Composition, History of the United States, History of England, European History, Constitutional History, Government of the United States, State and Local Government, Comparative Government, International Relations, Literature, Foreign Languages, Speech, Psychology, Philosophy, Logic, Natural Sciences, Mathematics, Principles of Economics, Accounting, and Investments.

The work of a law student is greatly facilitated if he can use a typewriter.

Application for admission to the School of Law must be made in writing on a form furnished by the Dean of the School of Law. A small photograph of the applicant

must be attached to the application form upon its return. The applicant must request the Registrar of each college or university that he has attended to send a complete transcript of his record direct to the Dean of the School of Law. The applicant must also have his score on the Law School Admission Test reported to this Law School. When these items have been received by the School of Law, the applicant will be notified concerning his application.

When an application has been accepted the applicant must make a deposit of \$25 with the Treasurer of the College. The deposit is applied on tuition or College charges when the applicant enters the Law School.

Beginning students are admitted to the School of Law at the opening of the fall session. In addition, for several years it has been the policy of the Law School to admit beginning students at the opening of the spring session, which enables such students by continuing without interruption to complete the three-year course in two and one-half years consisting of five regular semesters and two summer sessions. The School will admit beginning students at the opening of the 1964 Spring Semester, and this policy of admitting beginning students at the opening of the spring session will continue until terminated by the Faculty. Advanced students may be admitted at the opening of the summer, fall or spring sessions. The Law School each year conducts two semesters of 17 weeks each, and a summer session of nine weeks.

Admission to Advanced Standing. A student from a law school which is a member of the Association of American Law Schools, who is otherwise qualified to enter this school, may in the discretion of the faculty be admitted to advanced standing for the LL.B. degree. The student must be eligible for readmission to the law school from

which he proposes to transfer. The last year of work on the basis of which the degree is granted must be taken in the Wake Forest College School of Law.

Admission as Special Students. Applicants, not less than twenty-five years of age, who are found by the faculty to be equipped by experience and training for the study of law may be admitted as special students but not as candidates for a degree. Special students are rarely admitted.

Law School Admission Test

This Law School requires all applicants for admission to take the Law School Admission Test, an aptitude test administered by Educational Testing Service. The applicant's score on the Test will be considered among other factors in passing on his application for admission to this Law School.

Applicants should write Law School Admission Test, Educational Testing Service, 20 Nassau Street, Princeton, New Jersey, for application forms for taking the Test, and for the Bulletin of Information regarding the Test. The Test will be given at numerous locations throughout the nation, including Wake Forest College.

An applicant should request Educational Testing Service to report his score on the Test to this Law School.

Scholarships and Student Aid

The Law School has a number of scholarships available for each beginning class. Some of these scholarships are awarded on the basis of character, scholarship and financial need. Additional scholarships in a larger amount and covering full tuition are available for each beginning class and are awarded on the basis of character and exceptional scholastic achievement without

regard to financial need. Application forms for scholarships may be obtained from the Dean of the School of Law. Applications for scholarships should be filed by March 10th for the school year commencing the following September.

The College has available loan funds for the benefit of students who are in need of financial aid and have satisfactorily completed at least a full semester.

In addition, a number of law students are afforded limited employment as Law Library assistants and dormitory counselors but usually after the completion of their first year.

Degree of LL.B.

The degree of Bachelor of Laws (LL.B.) will be awarded to the student who (1) has fulfilled the requirements for admission to the Law School as a regular student, (2) thereafter spends the equivalent of three academic years in resident study in the Law School, (3) successfully completes eighty-three semester hours of law, including all prescribed courses, and (4) attains a cumulative weighted average of 67 or more on all work required for graduation.

A candidate for degree whose cumulative weighted average places him in the upper ten per cent of his graduating class will be graduated with the distinction *cum laude* and will be classified as a "Scholastic Honors Graduate." Any such person graduating with a cumulative weighted average of 85 or above will be graduated with the distinction *magna cum laude*.

The Summer Session

The School of Law operates a summer session of nine weeks, the work of which is carefully planned with

reference to the curriculum of the regular academic year, and may be used either to supplement the regular curriculum or as a substitute for part of it. Courses are offered during the summer session for advanced students only.

Further Information

Descriptions of the system of grading and examinations, general scholastic regulations, student organizations, prizes and awards, and the complete course of study are contained in a special Law School Bulletin, issued annually. Requests for this Bulletin, and other correspondence concerning the Law School, should be addressed to The Dean, School of Law, Wake Forest College, 7206 Reynolda Station, Winston-Salem, N. C.

BOWMAN GRAY SCHOOL OF MEDICINE

*ADMINISTRATIVE OFFICERS

HAROLD WAYLAND TRIBBLE, *President*

COY C. CARPENTER, *Dean*

MANSON MEADS, *Executive Dean*

ROBERT L. TUTTLE, *Assistant Dean*

HARRY O. PARKER, *Controller*

MRS. BENJAMIN S. PATRICK, JR., *Registrar*

Origin and Development

The School of Medicine was established at Wake Forest in 1902. It was renamed the School of Medical Sciences in 1937 and operated as a two-year medical school until 1941, when it was moved to Winston-Salem, North Carolina, as a four-year medical college with the name Bowman Gray School of Medicine of Wake Forest College.

The expansion and the enlargement programs were made possible August 3, 1939, when the resources of the Bowman Gray Foundation were awarded to Wake Forest College to be used exclusively for the medical school. It is now supported from the general budget of Wake Forest College, the resources of the Foundation, and other special funds.

Equipment

The North Carolina Baptist Hospital, having 450 teaching beds, constitutes the main teaching hospital of the medical school. All buildings are located on the same campus and adjoin to form a single unit. The clinical and basic medical science departments are so

*See Administration and Faculty sections. For the complete faculty roster, see the special bulletin of the Bowman Gray School of Medicine, which may be obtained by request to The Registrar, Bowman Gray School of Medicine, Winston-Salem, North Carolina.

related physically and the faculty is so constituted that the teaching program is effectively correlated.

A three-million dollar construction program has been completed, expanding facilities for additional research and laboratory areas, added space for the library, and additional classrooms.

Standards

The school is a member of the Association of American Medical Colleges and is approved by the Liaison Committee on Medical Education of the Council on Medical Education of the American Medical Association and the Association of American Medical Colleges. Academic and professional standards comparable to other leading medical schools in the United States are maintained.

Requirements for Admission

The requirements for entrance into the Medical School are based on the premise that the program of training a physician is a continuous one shared by both the undergraduate college and the medical school. The responsibility of the undergraduate training program is thus not only to provide the prospective student with the technical information and skills which will make it possible for him to complete his course in medical school, but also to help him develop a broad background of experience and interest which will make it possible for him later to achieve a full realization of his potentialities as an individual and as a member of society.

Although ninety semester hours are the minimum requirement, it is felt that, except in unusual circumstances, the student should plan to complete a well-

rounded four-year college course, comprising certain specific requirements, but with the emphasis on a broad educational program.

In order for the student entering medical school to be prepared for his courses, he must have acquired certain basic scientific information. Such information is ordinarily obtained in the following undergraduate courses:

- 2 semesters of general biology
- 1 semester of advanced zoology
- 2 semesters of general chemistry
- 2 semesters of organic chemistry
- 1 semester of quantitative analysis
- 2 semesters of general physics

Biology: Courses should provide a broad survey of the animal kingdom, an awareness of animal types and their classifications and a view of man as a part of the total biological picture. Such information is usually covered in one year of general biology. In addition, one course in advanced zoology is required. This may include such courses as embryology, genetics, comparative anatomy, or cytology.

Chemistry. The student should have a working knowledge of chemical principles and of basic quantitative physico-chemical concepts; of the properties of chemical elements, ions, and organic compounds; of the relationship of chemical properties to structure; and of the common techniques of organic chemistry and quantitative analysis. It is important that the student's chemistry experience include adequate time in the laboratory and familiarity with quantitative techniques. These requirements will normally be met by a minimum of one year of general chemistry, one year

of organic chemistry, and one course in quantitative analysis. Most students would also profit by a course in physical chemistry.

Physics: Knowledge of the fundamental principles of electricity, electromagnetic radiations, sound, heat, mechanics and optics is necessary and can usually be obtained in a one-year course in general physics.

It should be emphasized that, in listing the above scientific requirements, it is not intended to minimize the importance of other less specific educational requirements.

In addition to the material listed above, the student should acquire extensive knowledge of man as the product of his social, physical, and emotional environment. The desired training is given in courses in Philosophy, Religion, Economics, Sociology, History, Literature, Mathematics, Language, and Psychology. The student is urged to acquaint himself as widely in these fields of knowledge as time and his inclination will permit.

Admission

Candidates desiring admission will, upon request to the Committee on Admissions of the Medical School, be furnished application blanks, which should be properly filled out and returned to the Registrar together with an application fee of ten dollars. On receipt of the application and transcripts of the applicant's pre-medical work, the credentials will be reviewed by the Committee on Admissions. Students whose applications are favorably considered will be invited to come to Winston-Salem for personal interviews. Those applicants who are accepted are required to make a deposit of fifty dollars to reserve a place in the class for

which they are accepted. The deposit will be credited on tuition and deducted from the payment due when the student matriculates.

Students are selected on the basis of academic performance, character, and general fitness for the study of medicine. No student will be admitted who is ineligible, because of scholastic difficulties or misconduct, to re-enroll in a school previously attended. Students more than thirty years of age are seldom admitted.

Graduate Studies

Opportunities are provided for qualified students to obtain advanced instruction and research training in the basic medical sciences. Course work leading to the Master of Science degree with a major in Anatomy, Biochemistry, Physiology, Pharmacology, and Microbiology, is offered. Instruction leading to the degree of Doctor of Philosophy in Anatomy, Biochemistry, Physiology, and Pharmacology, is also offered.

Further Information

For detailed information concerning enrollment in the Bowman Gray School of Medicine, course of study in the graduate program, admission to advanced standing, and other matters, address The Registrar, The Bowman Gray School of Medicine, Winston-Salem, North Carolina.

EVENING CLASSES

The Division of Evening Classes offers a program of regular undergraduate college classes meeting in the evening for the benefit of qualified persons whose occupations or other considerations prevent them from attending day classes. The evening classes are taught by members of the College faculty as part of their regular teaching loads and carry full college credit. No distinction is made in meeting degree requirements between work taken in the evening classes and work taken in the day classes. An attempt is made to plan a sequence of courses so that a student may take in the evening classes many of the courses required for a baccalaureate degree at Wake Forest College.

Students who wish to receive college credit, whether as work toward a baccalaureate degree or not, are expected to meet the same admission requirements and the same academic standards as are students enrolled in the regular day classes. Students who do not wish college credit may enroll as noncredit students. They are entitled to the privileges of the credit students, but are not required to meet admission requirements or to take course examinations.

The calendar for the evening classes follows the regular college calendar for the fall and spring semester. There are no evening classes during the summer session. Except in the sciences, classes meet for 75 minutes on either Monday and Wednesday or Tuesday and Thursday evenings and carry 3 hours credit. Science classes meet the same evenings for a longer period of time and carry four hours credit. Tuition is \$20 per credit hour for undergraduate credit and \$30 per credit hour for graduate credit, whether the student is taking the course for college credit or not.

The Bulletin of Wake Forest College, Division of

Evening Classes, 1963-64, containing full information, will be available in June, 1963, and may be secured by writing the Director of Admissions, Wake Forest College, Box 7305 Reynolda Station, Winston-Salem, North Carolina.

THE 1963 SUMMER SESSION

Two Six-week Terms

The first of two six-week terms will begin with registration on Monday, June 10, 1963, and will extend through July 16. The second term will begin with registration on Thursday, July 18, and will extend through August 23.

Class work will be confined to the mornings, except for courses in swimming and choir which will come in the afternoons. Periods will be seventy-five minutes in length, and classes will meet daily, Monday through Friday, and on the first, third, and fifth Saturday of each term.

Courses in the sciences carry four semester hours credit each, and those in swimming and choir one semester hour each. All other courses carry three semester hours credit. The normal load for a student is six semester hours, and the maximum load is seven hours.

Courses will be offered which are designed to meet the needs of regular Wake Forest students, incoming freshmen, transfers from other colleges, and public school teachers needing renewal of certificates. There will be courses in Biology, Chemistry, Education, English, History, Mathematics, Modern Languages, Music, Philosophy, Psychology, Physics, Physical Education, Religion, Sociology, Speech, and Business Administration.

In September, 1961, Wake Forest resumed offering graduate work leading to the Master of Arts degree in the departments of Biology, Chemistry, English, History, Mathematics and Physics. In the Summer Session of 1963 graduate courses leading to the Master of Arts degree will be offered in the departments of Biology, English, and History. Opportunities for be-

ginning research toward the Master of Arts degree will be provided in the departments of Chemistry, Mathematics, and Physics.

The department of Education will offer courses which will lead to the issuance of the North Carolina High School Teacher, Class A, Certificate, the Graduate Secondary Certificate, and the renewal of all certificates held by elementary and high school teachers, principals, and superindendents.

For Summer Session Bulletin and other information, address Dean of the Summer Session, Wake Forest College, Box 7293, Reynolda Station, Winston-Salem, North Carolina.

DEGREES CONFERRED

COMMENCEMENT EXERCISES AND DEGREES 1962

THE PROGRAM

Sunday, June 3

- 11:00 a.m. Baccalaureate Sermon
Dean Samuel H. Miller
Harvard Divinity School
Cambridge, Massachusetts
- 3:00 p.m. Senior Orations (for the Ward Medal)
Sammy Keel Williams. "The College and the Faith"
Anthony William Packer
"An Institution Within an Institution"
Alfred Lee Baker. . "The United Nations in World Affairs"
Susie Othelia Jones. "That Man May Know Love"
- 4:30 to 6:00 p.m. Reception by President and Mrs. Tribble
honoring members of the graduating classes and their
visitors.
- 7:30 p.m. Commencement Recital

Monday, June 4

- 9:00 a.m. Commissioning of ROTC Graduates in the United
States Army Reserve
- 10:30 a.m. Graduation Exercises
Address
Dean Liston Pope
Yale Divinity School
New Haven, Connecticut
The Message to the Graduates
President Harold W. Tribble

AWARDS AND HONORS

1. From the School of Arts and Sciences
The J. B. Currin Orator's Medal—Jesse J. Croom, Jr.
The A. D. Ward Orator's Medal—Alfred Lee Baker
2. From the School of Business Administration
North Carolina Certified Public Accountants Medal—
Porter Bliss Thompson
A. M. Pullen Company Medal—John Henry Franklin,
Jr.

Wall Street Journal Medal—Charles Guy Young
Lura Baker Paden Medal—Charles Escar Scott
Scholarship Keys: Delta Sigma Pi and Alpha Kappa
Psi—Charles Guy King
Delta Kappa Nu: Business Woman of the Year—Bonnie
Lynn Jones

3. From the School of Law
Lawyers Title Insurance Corporation Award—Murray
Crossley Greason, Jr.
North Carolina National Bank Will Drafting Award:
First Prize—Murray Crossley Greason, Jr.
Second Prize (Wake Forest)—David J. Haynes
4. From the Bowman Gray School of Medicine
Roche Award—Richard Lee Burleson
Faculty Award—James Norris Wilfert
Best Student Paper Award—Frank W. Farrell (First);
Edward V. Hudson (Second)
Pediatric Award—S. Scott Obenshain
Obstetrics—Gynecology Award—Robert P. Pulliam
Frederick R. Taylor History of Medicine Society Award
Carolyn Virden
5. From the Department of Military Science
President's Trophy—Cadet Major Charles E. Reiley
National Quartermaster Association Scholastic Key—
Cadet Major Charles E. Reiley
Professor of Military Science Award—Cadet Captain
Thomas A. Spencer
Department of the Army Superior Cadet Ribbon
Award—Cadet Colonel James R. Overcash, Jr.
Third Army ROTC Certificate of Meritorious Leader-
ship Achievement Award—Cadet Lieutenant Colonel
Michael V. Starling
United States Armor Association Award—Cadet Cap-
tain Robert E. Ward, III
Armed Forces Chemical Association Award—Cadet
Captain Jimmy L. Saunders
Reserve Officers Association Award—Cadet Captain
John E. Riddle, Jr.
Honor Unit Award—Cadet Captain Thomas E. Hart-
man, II

DEGREES CONFERRED

Doctor of Divinity

Garland Alford Hendricks
Walter Mark Depp

Doctor of Humanities

Francis Wayland Speight

Doctor of Laws

Guy Thomas Carswell

Doctor of Literature

Wayne E. Oates

Master of Arts

Harriet Suzanne Cameron

Bachelor of Arts

Linda Sue Adams	William Lee Cofer
Jeffrey Serge Alford	Silas Eugene Compton, Jr.
Ogden Olmstead Allsbrook, Jr.	Evelyn Virginia Cook
Richard James Ammons, Jr.	Newland Kay Crocker
Blake Delon Aydlett	Mary Ann Cromer
Herbert Earl Barkley, Jr.	Jesse James Croom, Jr.
Alice Gail Barnes	Peggy Jean Cryner
Jimmy Hamilton Barnhill	Robert Earl Cunningham
Francis Albert Berces	Allen Richardson Davis
Mary Cochran Beverly	Suzanne Davis
Larry Thomas Black	Marie Jane Dellinger
Gilmer Warren Blackburn	Russell Weldon DeMent, Jr.
Nancy Lee Blackley	Sidney Ernest Disher, Jr.
Robert Lamar Bland	Marilyn Gail Dowdy
Bobby Wayne Bowers	Malinda Duncan
Katharine Terry Broach Bragg	James Howard Early, Jr.
Charles Walter Brewer	Elizabeth Beck Earp
Ruth Greene Bridgers	Claire Elaine Efrid
Jackie Lynn Bryant	William Lyman Ferrell
John Clement Budd	Tera Adelaide Frizzelle
Stephen Gray Calaway	Frances Carole Fuller
Wilson Rosser Carter	Patricia Ann Gambill
Tommy Lee Chambers	Shockley DeWitt Gardner, Jr.
Frank Willard Chance	Kathryn Wilkins Garner
Clifford H. Clarke	Mervin James Garrison

Dorothy Jane Gilliam
 Clyde Wilburn Glosson
 Elizabeth Ann Good
 Augustus Byron Greene, Jr.
 James Albert Greene
 Kelley E. Griffith, Jr.
 Glenn Albert Hamm
 Helen Maxine Hamrick
 Arnom Hunter Harris, Jr.
 Larry Michael Heath
 Mary Anne Herndon
 James Sidney Hinson
 Anne McDougald Hocutt
 Northrup Lenair Hood
 John Hastings Hopkins
 Sarah Ann House
 Janice Mae Howell
 Thomas Wayne Howell
 Meyressa Ellen Hughes
 Suzanne Dunn Hughston
 Robert Brame Hunt
 Thelma Jean Hutchins
 Charles David Jackson
 Hiram Vance Jenkins
 Angela Knight Johnson
 James Daniel Johnson
 Bonnie Lynn Jones
 Marcia Paulette Jones
 Susie Othelia Jones
 Ella Sue Hopkins Joyce
 Herbert David Joyner
 Hayden Odell Kepley, Jr.
 Joel Lemuel Kirkley, Jr.
 Jo Anne Kirkpatrick
 Nithi Klinkosum
 James Hazel Knight
 Robert James Krause
 Carol Staples Lamphier
 Samuel Hardy Leaman
 Edward Earl Ledford
 George Carl Lewis, Jr.
 Harry Charles Lewis, Jr.
 Gary Thomas Long
 Julian Keith McKenzie
 Donald Lee McRee
 DeVon Wilkes McSwain

Mary Etta Mann
 Joseph David Matthews
 Gordon Edison Mercer, Jr.
 Diane Woodward Merryman
 Barbara Ann Metcalf
 Blan Vance Minton
 Jean Marie Moore
 Linda Loy Moorefield
 Lewis M. Morgan
 John Alton Morris, Jr.
 Judith Anne Morris
 James I. Murphy
 Martha Elizabeth Myers
 Patricia Ann Myers
 Walter Eugene Nail
 James Rupert Nance, Jr.
 Rebecca McCrary Nation
 Linda Sue Neal
 Donald Hale Newlin
 Anthony William Packer
 Jennie Lou Pangle
 James Douglas Pedigo
 Donald Cleveland Perry
 Cedric Dixon Pierce, Jr.
 James Dodson Poe
 Lucia Ellen Pollock
 Brenda Hudspeth Poston
 Charles Richard Lee Pratt
 George Henry Ragland, Jr.
 Frank Barratt Raymond, III
 Nancy Jean Redding
 Elizabeth Phyllis Reichold
 Charles Edwin Reiley
 Patricia Sue Renfrow
 Robert Lee Richardson, Jr.
 John Earl Riddle, Jr.
 Charles Ray Rimer
 Orria Hubert Rothrock, Jr.
 Bobby Gene Rowe
 Carolyn Vann Rowe
 Judith Alector Shaffner
 James Edward Sharpe
 William Cicero Shepherd
 Elizabeth Ann Sherrill
 Wayne Carthaway Shugart
 Ellen McLain Lynne Smathers

Degrees Conferred

Andrew Daniel Smith	James Richard Walker
Amelia Ruth Smith	Robert Edwin Ward, III
Marcia Wilhelmina Snipes	James Graham Warlick, II
Robert Lloyd Sondej	William Capus Waynick
Thomas Aaron Spencer	Donald Eugene Weir
Lydia Luella Spivey	Helen Jewel Whitley
Dallas Thurston Stallins, Jr.	Jerry W. Whitley
Jackie Hooks Stephenson	Mollie Stell Wiggins
John Clyde Stoner	Mary Elizabeth Willard
Vollis Eugene Summerlin	Craven Edward Williams
Hilda Graye Sutton	James Thomas Williams, Jr.
Joyce Kay Sweatt	Sammy Keel Williams
Jack Griffin Tesh	Charles Francis Wilson
James Arthur Tingle	Jerry C. Wilson
Phyllis Anne Pegg Toney	Mary Howell Withers
Barbara Louise Hathcock Turner	Anita Joyce Wood
Wayne Albert Tuttle	Ann Elizabeth Woodall
John Gary Vannoy	Louis Herman Woodard
David Seth Walker	Charles William Wray, Jr.
Harry Suttle Walker	Faye Thornton Young
Nancy Virgiline Young	

Bachelor of Science

Aquilla Sugg Albritton, Jr.	William Gilman Gray
Elmo Leach Allen	Jerry Esmond Haywood
Kennyth Melvin Aydelette	Thomas John Henninger
Alfred Lee Baker	Carolyn Boyce Holoman
Mary Catherine Baker	Elizabeth Hayes Hopkins
Judith Louise Barlow	Harry Slade Howell, Jr.
Carl Julius Beacham, Jr.	Graydon Lee Hudspeth
Martha Lou Dillon Benton	Larry Michael Hurst
William Dennis Brewer	Glenda Ruth Hyman
Leslie Carlyle Brown	Josephine Sue Jolley
Bobby Joe Burton	Charles Neil Kelley
Robert Harold Butler	Phyllis Anne Kellough
Natalie Lee Clark	Bettye Lee King
Mary Anne Coperhaver	Ann Daly Kinken
Charles Marvin Dozier	Robert Eugene Knott
Richard Diem Filippi	Deanna Marie Lewis
Judith Arlaine Frederick	Thomas Theron Long, III
Amon Lex Funderburk	Billy John Luckadoo
Frederick Thomas Gaskins	Bobby McKinsey Luckadoo
Betty Glynn Godwin	Marsh Dean Lyall
Ronald Leon Goins	David L. McAulay

Thomas C. McCoy, Jr.	Bobby Carlyle Raynor
Norma Rose McKinney	Brenda Davenport Rivenbark
William W. Mohlhenrich, Jr.	Jimmy Lee Saunders
James Edward Muse, III	Richard Lynn Saylor
James Franklin Nelson	Fletcher Paul Sessoms, Jr.
Paul Burton Nickens, Jr.	Charles Lawson Simpson
William Richard Oates	David Nimmons Smith
James Oscar Outland	Michael Vick Starling
John B. Overcash	William Kenneth Taylor
Charles Lineberry Owen	Nancy Louise Thomas
Eugene Alexander Petras	Catherine Elizabeth Treadway
Fred Leon Picklesimer	Denny Lee Turner
Eric W. Pittman	Judy Dianne Wade
Charles Eugene Pruitt	Bertha Walmsley Wagster
Elizabeth Ann Ptacek	Jimmy Glenn Welborn
John Anthony Purpura	Alan Jones White
Frank Louis Quattromani	Patrick Livingston M. Williams
Fred Howard Rash	Christine Lynn Womack
Cheung Cheun Wong	

Bachelor of Business Administration

Samuel Boyd, Jr.	Jerry Campbell Lambert
Robert Leo Burchfield	Joseph Williamson Luter, III
William Churm	Karen Lewis McKinnon
Harry Ellis Clegg	Benjamin Edward McNatt
Alexander McAlister Council, III	John Franklin Morrow
John Louis Dupree, Jr.	Millard Benton Parrish, Jr.
Ned Tracy Faires	Leon Fleming Patterson
Francis Beatty Fishburne, Jr.	Margaret R. Summey Pearsall
John Henry Franklin, Jr.	William Edwin Phillips
Arthur Winston Futch	Robert C. Reed
Gaither Bryant Garner, Jr.	A. Thomas Franklin Roberts, III
William Green Hayes	John Taylor Ryan
Joe Michael Helms	Reuben Lemmond Sample
Bobby Gene Hemric	Charles Escar Scott
James Matthew Herndon, Jr.	Harvey Thomas Smith
Edwin Sharp Hineman, Jr.	Sanford Leroy Smith
Thomas B. Hollingsworth, Jr.	Paul Wayne Strupe
Harry William Hull, Jr.	Gerald Wilbur Sylvant, Jr.
John Laird Jacob, Jr.	Robert Stanley Vaughan
William Wayne Jameson	Robert Miller Weatherman
Charles Guy King	Paul Michael Wilner

Degrees Conferred

Bachelor of Laws

John Harvey Bingham	William Daniel Herring
Frederick Stanley Black	James Wilton Hunt
Bruce Burry Briggs	James Calvin Johnson, Jr.
William Herbert Brown, Jr.	Clinton Eugene McElroy
Andrew Arthur George Canoutas	Charles Burdine Merryman, Jr.
Robert Leland Cecil	Joe Dixon Miller
Samuel Jerome Crow	David Alexander Mitchell
Charles Bennett Deane, Jr.	Richard Neal Randleman
Sarah Johnson Durham	Charles Shufford Sawyer
Ronald Gene Edmundson	A. Lincoln Sherk
Olaf Irving Eide	Nancy Dennis Sherk
Merrill Jarvis Evans	James Lawrence Swisher
Murray Crossley Greason, Jr.	Eugene Simpson Tanner, Jr.
Edward Roger Green	Clarence Richard Tate, Jr.
Reginald Stanley Hamel	Charles Royal Tedder
David Joyner Haynes	Mickey Franklin Washam
Charles Brown Whitley, Jr.	

DOCTOR OF MEDICINE

Richard Wesley Adams	Evva Burnham Joyce
Michel Laron Barringer	Katherine Chung-ho King
William Francis Belk	Alvin Paul Kitchin, Jr.
William Twitty Carpenter, Jr.	John Daniel Knox, Jr.
Miles Robert Cooper	John Stanley Kostin
William Cyphers Deskins	Charles Gordon Lampley, III
John Manning Driscoll, Jr.	Jackson William Lind
Frank Wilson Farrell, Jr.	Joseph Jerome Mamlin
Charles Noel Feezor, Jr.	David Charles McElroy
William Franklin Folds	Harroul Earle Melikian
James Summers Forrester	William Glenn Myrick
Jack Edward Foster	Samuel Scott Obenshain
Richard Ellis Frazier	Wesley Fletcher Phillips
Harry Lee Galloway	George Podgorny
Louis Nathan Gottlieb	Alexander Poston
Caryl Joy Guth	Robert Parker Pulliam
Harrison Lloyd Hertridge	John William Reed
Jeff Bivins Helms, Jr.	David Allen Rinn
Samuel Shi-Chiu Ho	David Emerson Root
Jo-Allene Horne	Christiane Maria Friederike
Edward Valentine Hudson	Siewers

Degrees Conferred

Ralph deSchweinitz Siewers, III	Marvin Whitaker Thompson
Donald Clendennin Silcox	Sara Jeanette Thompson
Jimmy Lynn Taylor	Larry Allen Tyree
Nelson Stone Teague	James Norris Wilfert

Degrees Conferred

DEGREES CONFERRED JANUARY 25, 1962

Bachelor of Arts

James Goodwin Batterson, Jr.	Robert Lon Johnson
Paul Everette Biles	Gayle Harmon Lee
Linda Lee Brady	Vance Alton McGhee, Jr.
Patricia Jean Clark	James Frederick McLean
William Reginald Featherstone	Donald Burton Miller
Jay Denny Franklin	Robbie Duff Snipes
Jerry R. Jackson	Susan Lee Harless Van De Veer

Bachelor of Science

Carol Ann Canaday	James Weldon Pell, Jr.
Carole Brown Dalrymple	Albert J. Post
Burl Bess Hull	Robert Milo Porterfield
Bruce A. McDonnell	Robert Gene Robinson
Bruce A. Nation	Elizabeth M. Thomas
Erle Whitehead Thomas, Jr.	

Bachelor of Business Administration

Thomas S. Boyd, Jr.	Charles Darnall Jones
Bobby Lee Garwood	Irwin Alexander McQueen, Jr.
Jerry Franklin Gause	Robert Henry Moore
Elliott Erickson Harrell, Jr.	Kenneth Carl Morris
Alley Linwood Hart, Jr.	Thomas Edgar Myers
J. Coell Hauser	Cletus Andrew Potts
Kenneth Eugene Hartman	Charles Howell Pruden, III
Edmond Victor Smith	

SUMMER DIVISION OF THE CLASS OF 1962

Friday, August 24

DEGREES CONFERRED

Master of Arts

Frank Hathaway Andrews	Leon Harvey Lee
Drucilla Berkhan	Penelope Ellen Niven
James Calvin Daniel	Sarah Sue Withers
Emily Louise Herring	Viola Carolee Wood

Bachelor of Arts

Ernest Raymond Alexander, Jr.	William Kenneth Hinton
Jerrold Mark Ball	George Priestley Davis Hudnor
William Waddell Barber	Steven Terry Irvin
Nancy Carolyn Breedlove	Stanley Harwood Jackman
Richard Allen Briell	Emma Carolyn Lineberger
Robert Allen Bryan	Alice Rayburn McDevitt
Thomas Hamilton Buxton	Warner Lee Madre
Brenda Johnson Cartwright	Nancy Faye Mangum
Paul J. Churdar	Newton Peterson Mathews, Jr.
Oscar Creech, III	James Merriman Offutt
Nanon Leo Daughtry	Judith Ann Overcash
Thomas Jefferson Davis	Allen Hall Painter, Jr.
Donald Moore Duncan	Albert Arthur Peverall, Jr.
Hubert Lister Everett	Peggy Dale Pierce
Linda Louise Reynolds Fox	Leland Wrightman Smith, Jr.
Jacqueline Horne Gibson	Richard Allen Vail
Martha Ann Hayes	Robert Donald Watson
Richard Edson Hicks	Elizabeth Artis Wright
Brenda Marlene Hill	Percy F. Yates, Jr.

Bachelor of Science

Stephen Thomas Apple	James Roger Gladden
Wilburn Earl Berry, Jr.	James Orval Herring
Fred Twain Childress	Barbara Bultman Lowe
Charles Thomas Colonna	Frank Hansford Pittman
Roger Phillip Cooke	Michael Preslar
William Ray Covington	Robert Eugene Smith
Stephen Franklin Dalton	Joseph Aaron Stringer

Bachelor of Business Administration

John Carr Coates, III	Robert Lonnie Sykes
James Preston George	Porter Bliss Thompson
Thomas E. Hartman, III	Douglas Macon Valentine
Joe A. Lowe	Junius Sneed Williams
Gerald Wayne Medlin	Carl Lawrence Yates

ROTC GRADUATES COMMISSIONED IN THE UNITED STATES ARMY RESERVE

January 1962

Jerry F. Gause
Charles D. Jones

Bruce A. Nation
Erle W. Thomas
Bruce A. McDonnell

June 1962

Ogden O. Allsbrook, Jr.
Jimmy H. Barnhill
John C. Budd
Stephen G. Calaway
Richard D. Filippi
Shockley D. Gardner, Jr.
Clyde W. Glosson *
Arnold H. Harris, Jr. *
Edwin S. Hineman, Jr.
Harry W. Hull, Jr. *
Charles N. Kelley *
John F. Morrow

Johnny B. Overcash *
Charles E. Reiley *
John E. Riddle, Jr. *
John T. Ryan
Jimmy L. Saunders *
Harvey T. Smith
Thomas A. Spencer *
Michael V. Starling *
Robert E. Ward, III *
William C. Waynick **
Paul M. Wilner
Charles F. Wilson

July 1962

William R. Covington

August 1962

Robert A. Bryan
James P. George
Thomas E. Hartman, II
Steven T. Irvin *

Robert J. Krause
Harry C. Lewis, Jr.
Robert M. Porterfield
Joseph A. Stringer

* Distinguished Military Graduates.

** Distinguished Military Graduate Commissioned in Regular Army.

SUMMARY—FALL 1962

	<i>Men</i>	<i>Women</i>	<i>Totals</i>	
<i>Graduate Students:</i>				
Regular	38	18	56	
*Unclassified	12	14	26	82
<i>Arts and Sciences:</i>				
Seniors	262	102	364	
Juniors	262	131	393	
Sophomores	357	213	570	
Freshmen	547	250	797	
Unclassified	12	4	16	2,140
<i>Business Administration:</i>				
Seniors	77	1	78	
Juniors	63	1	64	
Unclassified	1		1	143
<i>Evening Classes</i>	139	27	166	166
<i>School of Law:</i>				
Third Year	41		41	
Second Year	49		49	
First Year	67	1	68	158
<i>School of Medicine:</i>				
Fourth Year	51	5	56	
Third Year	45	1	46	
Second Year	45	4	49	
First Year	49	3	52	
Graduate Students . . .	9	1	10	
Medical Technicians . .		13	13	226
				2,915
Counted Twice				1
				2,914

* In-Service Teachers in Saturday Classes.

Registration by Departments

Summer Term of 1962			
	<i>Men</i>	<i>Women</i>	<i>Totals</i>
Graduate Students, 1st Term..	17	35	52
Graduate Students, 2nd Term..	24	12	36
Undergraduates, 1st Term...	611	295	906
Undergraduates, 2nd Term...	460	183	643
Law Students.....	19		19
	<u>1,131</u>	<u>525</u>	<u>1,656</u>
Duplicates attended			
both terms:.....	<u>361</u>	<u>142</u>	<u>503</u>
	770	383	1,153
Duplicates, Summer School			
and Regular Session.....	<u>390</u>	<u>134</u>	<u>524</u>
	380	249	629
			<u>629</u>
			3,543

Registration by Schools and Departments

Biology.....	796
Business Administration.....	983
Chemistry.....	441
Classical Languages:	
Greek.....	52
Latin.....	196
Education.....	420
English.....	1,632
German.....	383
History.....	1,347
Honors.....	39
Mathematics.....	985
Military Science.....	507
Music.....	199
Philosophy.....	345
Physical Education.....	974
Physics.....	259
Political Science.....	560
Psychology.....	258
Religion.....	742
Romance Languages:	
French.....	555
Hindi.....	2
Russian.....	5
Spanish.....	413
Sociology.....	563
Speech.....	216

Geographical Distribution

Counties in North Carolina

Alamance.....	30	Hertford.....	9
Alexander.....	4	Iredell.....	39
Alleghaney.....	2	Jackson.....	2
Anson.....	9	Johnston.....	13
Ashe.....	2	Lee.....	3
Avery.....	2	Lenoir.....	20
Beaufort.....	2	Lincoln.....	11
Bertie.....	1	McDowell.....	5
Bladen.....	9	Macon.....	4
Buncombe.....	27	Madison.....	1
Burke.....	31	Martin.....	5
Cabarrus.....	30	Mecklenburg.....	103
Caldwell.....	6	Mitchell.....	2
Carteret.....	11	Montgomery.....	4
Caswell.....	2	Moore.....	8
Catawba.....	22	Nash.....	12
Chatham.....	9	New Hanover.....	20
Cherokee.....	2	Northampton.....	7
Chowan.....	4	Onslow.....	8
Clay.....	1	Orange.....	3
Cleveland.....	34	Pamlico.....	1
Columbus.....	13	Pasquotank.....	6
Craven.....	14	Pender.....	1
Cumberland.....	29	Person.....	16
Currituck.....	4	Pitt.....	21
Dare.....	1	Randolph.....	16
Davidson.....	73	Richmond.....	11
Davie.....	11	Robeson.....	27
Duplin.....	7	Rockingham.....	24
Durham.....	25	Rowan.....	32
Edgecombe.....	9	Rutherford.....	17
Forsyth.....	473*	Sampson.....	19
Franklin.....	8	Scotland.....	9
Gaston.....	28	Stanley.....	14
Granville.....	6	Stokes.....	10
Guilford.....	101	Surry.....	29
Halifax.....	12	Transylvania.....	6
Harnett.....	16	Union.....	11
Haywood.....	14	Vance.....	13
Henderson.....	15	Wake.....	76

* Includes students in evening classes.

Geographical Distribution

Washington.....	2	Wilkes.....	18
Watauga.....	1	Wilson.....	5
Wayne.....	12	Yadkin.....	17
Yancey.....	1		

States and Foreign Countries

Alabama.....	10	Ohio.....	48
California.....	9	Oklahoma.....	1
Colorado.....	5	Pennsylvania.....	86
Connecticut.....	23	Rhode Island.....	2
Delaware.....	16	South Carolina.....	70
District of Columbia.....	22	Tennessee.....	53
Florida.....	80	Texas.....	6
Georgia.....	54	Utah.....	1
Hawaii.....	1	Vermont.....	1
Idaho.....	1	Virginia.....	229
Illinois.....	12	Washington.....	1
Indiana.....	2	West Virginia.....	23
Iowa.....	1	Wisconsin.....	2
Kentucky.....	32	Africa.....	1
Louisiana.....	1	Argentina.....	1
Maine.....	2	Canada.....	2
Maryland.....	79	Canal Zone.....	4
Massachusetts.....	22	Ecuador.....	1
Michigan.....	6	Germany.....	1
Minnesota.....	4	Hong Kong.....	2
Mississippi.....	4	Japan.....	2
Missouri.....	4	Korea.....	1
Nebraska.....	1	Paraguay.....	1
New Hampshire.....	5	Philippines.....	1
New Jersey.....	115	Scotland.....	1
New York.....	70	Switzerland.....	1
North Dakota.....	1	Thailand.....	3
Turkey.....	1		

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